

FHWA-Indiana Environmental Document
CATEGORICAL EXCLUSION / ENVIRONMENTAL ASSESSMENT FORM
GENERAL PROJECT INFORMATION

Road No./County:	O'Brien St, Jackson County
Designation Number(s):	Des. No. 1902764 and 1902762
Project Description/Termini:	Road rehabilitation with the addition of a sidewalk on O'Brien Street from Village Circle Avenue to U.S. 50 and Des No 1902764; From U.S. 50 to 4th Street; Des. No. 1902762, in Seymour, Jackson County Indiana

X	Categorical Exclusion, Level 2 – Required Signatories: INDOT DE and/or INDOT ESD
	Categorical Exclusion, Level 3 – Required Signatories: INDOT ESD
	Categorical Exclusion, Level 4 – Required Signatories: INDOT ESD and FHWA
	Environmental Assessment (E.A.) – Required Signatories: INDOT ESD and FHWA
	Additional Investigation (A.I.) – The proposed action included a design change from the original approved environmental document. Required Signatories must include the appropriate environmental approval authority

Approval

_____	_____
INDOT DE Signature and Date	INDOT ESD Signature and Date

FHWA Signature and Date	

Release for Public Involvement

_____	_____
INDOT DE Initials and Date	INDOT ESD Initials and Date

Certification of Public Involvement

INDOT Consultant Services Signature and Date

INDOT DE/ESD Reviewer Signature and Date: _____

Name and Organization of CE/EA Preparer: _____

Kenneth McMullen, MELP; GAI Consultants, Inc

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Note: Refer to the most current INDOT CE Manual, guidance language, and other ESD resources for further guidance regarding any section of this form.

Part I – Public Involvement

Every Federal action requires some level of public involvement, providing for early and continuous opportunities throughout the project development process. **The level of public involvement should be commensurate with the proposed action.**

Does the project have a historic bridge processed under the Historic Bridges PA*?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If No, then: Opportunity for a Public Hearing Required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*A public hearing is required for all historic bridges processed under the Historic Bridges Programmatic Agreement between INDOT, FHWA, SHPO, and the ACHP.

Discuss what public involvement activities (legal notices, letters to affected property owners and residents (i.e. notice of entry), meetings, special purpose meetings, newspaper articles, etc.) have occurred for this project.

Notice of Entry letters were mailed to potentially affected property owners near the project area on June 1, 2021, notifying them about the projects and that individuals responsible for land surveying and field activities may be seen in the area. A sample copy of the Notice of Entry letter is included in Appendix C, page C-5.

Project Does Meet

The project will meet the minimum requirements described in the current Indiana Department of Transportation (INDOT) Project Development Public Involvement Procedures Manual, which requires the project sponsor to offer the public an opportunity to submit comments or request a public hearing. Therefore, a legal notice will appear in a local publication contingent upon the release of this document for public involvement. This document will be revised after the public involvement requirements are fulfilled.

Public Controversy on Environmental Grounds

Discuss public controversy concerning community and/or natural resource impacts, including what is being done during the project to minimize impacts.

Currently, there is no substantial public controversy concerning impacts on the community or on natural resources.

Part II - General Project Identification, Description, and Design Information

Sponsor of the Project: City of Seymour INDOT District: Seymour

Local Name of the Facility: O'Brien Street

Funding Source (mark all that apply): Federal State Local Other*

*If other is selected, please identify the funding source: _____

PURPOSE AND NEED:

The need should describe the specific transportation problem or deficiency that the project will address. The purpose should describe the goal or objective of the project. The solution to the traffic problem should NOT be discussed in this section.

Need:

The following concerns demonstrate the need for this project:

Currently, sidewalks exist only intermittently throughout the corridor. No sidewalk exists on either side of the road for approximately 4,258 feet of the 5,871 feet of these segments. In addition, several side streets with existing sidewalks end at O'Brien Street with no sidewalk continuity across or onto O'Brien Street. There are also several locations with worn paths along O'Brien Street, indicating

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frequent pedestrian use.

Curbs exist only in isolated locations and are typically very short due to roadway overlays inhibiting drainage along the entire corridor. Very few drainage structures exist, and where they do exist, there is often no evident outfall to a defined system. Most of the corridor features no drainage (open ditch or enclosed), and runoff collects at the side of the road and infiltrates or ponds.

East Tipton Street (a short street separate from US 50, which also carries the local name East Tipton) intersects O'Brien just 90 feet north of U.S. 50, and the auxiliary lanes on O'Brien Street approach U.S. 50 and extend through the East Tipton intersection. This makes left turns from East Tipton Street to O'Brien Street difficult and potentially dangerous, as sight distance to northbound on-coming traffic could be restricted by queued vehicles in the southbound lanes.

The condition of pavement varies throughout each segment due to isolated resurfacing efforts performed in 2016 and 2018. Where the roadway was not resurfaced, the pavement exhibited frequent cracking in the wheel path, which is considered a structural failure. The original roadway was constructed in the 1930's and has been overlaid four times throughout its life cycle.

Purpose:

These projects aim to improve pedestrian mobility to and from residential, commercial, and school facilities. The projects also aim to improve the roadway condition and drainage, and to lengthen its service life.

PROJECT DESCRIPTION (PREFERRED ALTERNATIVE):

County: Jackson County Municipality: City of Seymour

Limits of Proposed Work: On O'Brien St from Village Circle Avenue to U.S. 50, Des No 1902764; and from U.S. 50 to 4th Street, Des. No. 1902762; in Seymour, Jackson County Indiana

Total Work Length: 1.11 Mile(s) Total Work Area: 4.5 Acre(s)

Is an Interstate Access Document (IAD)¹ required?
 If yes, when did the FHWA provide a Determination of Engineering and Operational Acceptability?

Yes ¹	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Date: <input style="width: 100%;" type="text"/>	

¹If an IAD is required; a copy of the approved CE/EA document must be submitted to the FHWA with a request for final approval of the IAD.

Describe location of project including township, range, city, county, roads, etc. Existing conditions should include current conditions, current deficiencies, roadway description, surrounding features, etc. Preferred alternative should include the scope of work, anticipated impacts, and how the project will meet the Purpose and Need. Logical termini and independent utility also need discussed.

Location:

These projects are located within the City of Seymour from Village Circle Avenue to U.S. 50 Des. No 1902764; from U.S. 50 to 4th Street; Des. No. 1902762, in Seymour, Jackson County, Indiana, excluding the intersections at U.S. 50 & O'Brien Street and 4th Street & O'Brien Street. U.S. 50 & O'Brien Street intersection will be excluded due to recent construction activity, and the 4th Street & O'Brien Street intersection will be excluded due to the proposed intersection improvement project. The project is in Jackson County within the Indiana Department of Transportation's (INDOT's) Seymour District. The overall project length is about 5,871 linear feet or 1.11 miles. Specifically, the project is located in Sections 17 & 20 of Township 6 North, Range 6 East, as shown on the Seymour USGS 7.5 Minute Topographic Map. Des. No. 1902764 extends south of the U.S. 50 intersection to Village Circle Avenue, and Des No. 1902762 extends from 4th Street to just north of U.S. 50 and O'Brien Street.

Existing Conditions:

O'Brien Street is two lanes (one in each direction) with no pedestrian facilities throughout and is classified as an Urban Arterial throughout the project limits.

Land use in the project corridor is predominantly residential and includes agricultural, commercial, industrial, and institutional (Seymour Middle School).

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Preferred Alternative:

This alternative consists of a full-depth reconstruction of pavement, additional curb and gutter on each side, and sidewalk on both sides of the roadway. The sidewalk along the west side from Village Circle Avenue to U.S. 50 will be six feet wide adjacent to the back of the curb with no buffer. In the segment between Village Circle Ave. and U.S. 50 intersection, the sidewalk along the east side will be 5 feet wide separated from the back of the curb by a 5-foot-wide buffer. In some locations along the west side from Village Circle Avenue to U.S. 50, the sidewalk will transition to a 6 foot wide sidewalk adjacent to the back of curb with no buffer to avoid right-of-way conflicts (ROW). The sidewalk along both sides from U.S. 50 to the south of 4th Street will be 6 feet wide adjacent to the back of the curb with no buffer. ADA-compliant curb ramps will be constructed on each side of each street crossing, and sidewalk transitions will be used at each driveway crossing. The drainage for the proposed roadway section will consist of a curb and gutter on each side throughout the project limits, regardless of sidewalk placement. Therefore, the roadway will be drained by either curb inlets or an enclosed drainage system that connects to the existing storm sewer.

Logical Termini/Independent Utility:

This project demonstrates independent utility as it is a stand-alone project that is not dependent on any other planned projects. Due to the scope of work, disruptions to traffic may be necessary as the project will involve a road closure with a detour using local routes. Please refer to this document's Maintenance of Traffic (MOT) section for more details.

Based on the above-noted information, the preferred alternative will meet the purpose and need of the project by replacing the existing pavement and adding new pedestrian and drainage facilities.

OTHER ALTERNATIVES CONSIDERED:

Provide a header for each alternative. Describe all discarded alternatives, including the No Build Alternative. Explain why each discarded alternative was not selected. Make sure to state how each alternative meets or does not meet the Purpose and Need and why.

The No Build:

The "No Build" alternative was considered for the proposed project. This alternative proposed utilization of the existing roadway with no expenditure of capital funds or improvement. However, the "No Build" alternative would not address these projects' purpose, which is to address the existing safety issues, improve drainage throughout the segments, and provide safe pedestrian movements to and from residential, commercial, and school facilities.

Alternative:

Full Reconstruction with Sidewalk on one side

This alternative consists of a full-depth reconstruction of pavement, additional curb and gutter on each side, and a sidewalk on only one side of the roadway. This alternative would reduce total cost due to limiting ROW and materials. This alternative would, however, still incur some pedestrian safety issues and introduce more pedestrian-to-traffic interactions.

The No Build Alternative is not feasible, prudent or practicable because (Mark all that apply)

- It would not correct existing capacity deficiencies;
 - It would not correct existing safety hazards;
 - It would not correct the existing roadway geometric deficiencies;
 - It would not correct existing deteriorated conditions and maintenance problems; or
 - It would result in serious impacts to the motoring public and general welfare of the economy.
- Other (Describe):

X
X

ROADWAY CHARACTER:

If the proposed action includes multiple roadways, complete and duplicate for each roadway.

Name of Roadway	<u>O'Brien Street</u>			
Functional Classification:	<u>Minor Arterial</u>			
Current ADT:	<u>6,857</u>	VPD (2018)	Design Year ADT:	<u>8,708</u>
Design Hour Volume (DHV):	<u>784</u>	Truck Percentage (%)		<u>7%</u>
Designed Speed (mph):	<u>30 mph</u>	Legal Speed (mph):		<u>30 mph</u>

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	Existing	Proposed
Number of Lanes:	2	2
Type of Lanes:	TRVL	TRVL
Pavement Width:	11 ft.	11 ft.
Shoulder Width:	N/A ft.	N/A ft.
Median Width:	0 ft.	0 ft.
Sidewalk Width:	6 ft.	6 ft.

Setting: Urban Suburban Rural
 Topography: Level Rolling Hilly

BRIDGES AND/OR SMALL STRUCTURE(S):

If the proposed action includes multiple structures, complete and duplicate for each bridge and/or small structure. Include both existing and proposed bridge(s) and/or small structure(s) in this section.

Structure/NBI Number(s): N/A Sufficiency Rating: N/A
 (Rating, Source of Information)

	Existing	Proposed
Bridge/Structure Type:	N/A	N/A
Number of Spans:	N/A	N/A
Weight Restrictions:	N/A ton	N/A ton
Height Restrictions:	N/A ft.	N/A ft.
Curb to Curb Width:	N/A ft.	N/A ft.
Outside to Outside Width:	N/A ft.	N/A ft.
Shoulder Width:	N/A ft.	N/A ft.

Describe impacts and work involving bridge(s), culvert(s), pipe(s), and small structure(s). Provide details for small structure(s): structure number, type, size (length and dia.), location and impacts to water. Use a table if the number of small structures becomes large. If the table exceeds a complete page, put it in the appendix and summarize the information below with a citation to the table.

No presence:

No bridges or small structures are located within the project area

MAINTENANCE OF TRAFFIC (MOT) DURING CONSTRUCTION:

	Yes	No
Is a temporary bridge proposed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is a temporary roadway proposed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project involve the use of a detour or require a ramp closure? (describe below)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provisions will be made for access by local traffic and so posted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provisions will be made for through-traffic dependent businesses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provisions will be made to accommodate any local special events or festivals.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Will the proposed MOT substantially change the environmental consequences of the action?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there substantial controversy associated with the proposed method for MOT?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project require a sidewalk, curb ramp, and/or bicycle lane closure? (describe below)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provisions will be made for access by pedestrians and/or bicyclist and so posted (describe below).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discuss closures, detours, and/or facilities (if any) that will be provided for maintenance of traffic. Any known impacts from these temporary measures should be quantified to the extent possible, particularly with respect to properties such as Section 4(f) resources and wetlands. Discuss any pedestrian/bicycle closures. Any local concerns about access and traffic flow should be detailed as well.

The preferred method of traffic maintenance is to close O'Brien Street to through traffic in blocked segments and detour residents to access their homes from nearby local streets or alleys where possible. The roadway will be constructed half at a time to allow access to residences that have no other access besides O'Brien Street. A public information meeting will be held following Stage 1 design,

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at which construction sequencing and access during construction will be a topic of discussion at that meeting. Traffic requiring entry into the work zone to access their Residence will be controlled by cones or barrels separating the access lane from the work area.

ESTIMATED PROJECT COST AND SCHEDULE:

Engineering: \$ 639,793 (2021) Right-of-Way: \$ 1,060,160.00 (2024) Construction: \$ 1,171,375.48 (2025)
 Anticipated Start Date of Construction: April 2025

RIGHT OF WAY:

Land Use Impacts	Amount (acres)	
	Permanent	Temporary
Residential	1.59	.052
Commercial	1.28	0.28
Agricultural		
Forest		
Wetlands		
Other:		
TOTAL	2.87	0.80

Describe both Permanent and Temporary right-of-way and describe their current use. Typical and Maximum right-of-way widths (existing and proposed) should also be discussed. Any advance acquisition, reacquisition or easements, either known or suspected, and their impacts on the environmental analysis should be discussed.

Right-of-way (ROW) required:

The project requires approximately 2.87 acres of permanent right-of-way (ROW). Approximately 1.59 acres will be acquired from properties on either side of O'Brien Street. The project also requires approximately 0.52 acres of temporary ROW of residential parcels will be acquired in various sections from either side of O'Brien Street (Appendix B pages B-14 to B-34). The permanent ROW is for widening and storm sewer/sidewalk installation. The temporary ROW is for driveway reconstruction and grading. No relocations are proposed.

If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Environmental Services Division (ESD) and the INDOT District Environmental Section will be contacted immediately.

Part III – Identification and Evaluation of Impacts of the Proposed Action

SECTION A - EARLY COORDINATION:

List the date(s) coordination was sent and all resource agencies that were contacted as a part of the development of this Environmental Study. Also, include the date of their response or indicate that no response was received.

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Early coordination letters were sent on August 30, 2021, Appendix C, pages C-1 to C-2.

Agency	Date Sent	Response Received	Appendix Page(s)
U.S. Fish Wildlife Service	8/30/2021	8/30/2021	C-6 to C-8
Natural Resources Conservation Service	8/30/2021	9/15/2021	C-16
Department of the Army, Louisville District, Corps of Engineers	8/30/2021	No Response	-
National Park Service, Midwest Regional Office	8/30/2021	No Response	-
U.S. Department of Housing & Urban Development, Chicago Regional Office	8/30/2021	No Response	-
Indiana Geological Survey, Environmental Geology Section	8/30/2021	8/30/2021	C-13 to C-15
IDNR, Division of Fish and Wildlife	8/30/2021	8/30/2021	C-11 to C-12
INDOT Aviation Section	8/30/2021	8/31/2021	C-9
INDOT, Public Hearings	8/30/2021	No Response	-
INDOT Seymour District Environmental Services Manager	8/30/2021	No Response	-
Jackson County Surveyor	8/30/2021	No Response	-
Jackson County Highway Department	8/30/2021	No Response	-
Floodplain Administrator	8/30/2021	No Response	-
MS4 Coordinator	8/30/2021	No Response	-

The Red Flag Investigation (RFI) recommends coordination with Seymour Christ Temple, Indiana Gas Co., and CSX RR and Louisville and Indiana RR. Seymour Christ Temple and the HI Hill Ready-mix will be allowed to make comments on the project as necessary during the public involvement portion. Coordination will occur with Indiana Gas Co., CSX RR and Louisville and Indiana RR during the utilities portion of the project.

All applicable recommendations are included in the Environmental Commitments section of this C.E. document.

SECTION B – ECOLOGICAL RESOURCES:

Streams, Rivers, Watercourses & Other Jurisdictional Features

- Federal Wild and Scenic Rivers
- State Natural, Scenic or Recreational Rivers
- Nationwide Rivers Inventory (NRI) listed
- Outstanding Rivers List for Indiana
- Navigable Waterways

Presence

Impacts

Yes	No

Total stream(s) in project area: N/A Linear feet Total impacted stream(s): N/A Linear feet

Stream Name	Classification	Total Size in Project Area (linear feet)	Impacted linear feet	Comments (i.e. location, flow direction, likely Water of the U.S., appendix reference)

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Stream Name	Classification	Total Size in Project Area (linear feet)	Impacted linear feet	Comments (i.e. location, flow direction, likely Water of the U.S., appendix reference)
N/A				

Describe all streams, rivers, watercourses and other jurisdictional features adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if the streams or rivers are listed on any federal or state lists for Indiana. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

No presence, no impact

Based on the desktop review, the aerial map of the project area, and the RFI report (Appendix E, page E-1 to E-13) there is one streams, rivers, watercourse, or other jurisdictional features within the 0.5-mile search radius. There are no streams, rivers, watercourse, or other jurisdictional features within or adjacent to the project area, which was confirmed by the site visit on March 30, 2022, by GAI Consultants, Inc. (GAI). Therefore, no impacts are expected.

Open Water Feature(s)

- Reservoirs
- Lakes
- Farm Ponds
- Retention/Detention Basin
- Storm Water Management Facilities
- Other: _____

Presence

Impacts

Yes	No

Describe all open water feature(s) identified adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

No presence, no impact

Based on the desktop review, the aerial map of the project area, and the RFI report (Appendix E, page E-1 to E-13), there is no open water feature(s) within the 0.5-mile search radius. Additionally, there are no open water feature(s) within or adjacent to the project area, which was confirmed by the site visit on March 30, 2022, by GAI. Therefore, no impacts are expected.

Wetlands

Presence

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Impacts

Yes	No

Total wetland area: N/A Acre(s) Total wetland area impacted: N/A Acre(s)

(If a determination has not been made for non-isolated/isolated wetlands, fill in the total wetland area impacted above.)

Wetland No.	Classification	Total Size (Acres)	Impacted Acres	Comments (i.e. location, likely Water of the U.S., appendix reference)
N/A				

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Wetlands (Mark all that apply)

Wetland Determination
 Wetland Delineation
 USACE Isolated Waters Determination

Documentation

ESD Approval Dates

Improvements that will not result in any wetland impacts are not practicable because such avoidance would result in (Mark all that apply and explain):

- Substantial adverse impacts to adjacent homes, business or other improved properties;
- Substantially increased project costs;
- Unique engineering, traffic, maintenance, or safety problems;
- Substantial adverse social, economic, or environmental impacts, or
- The project not meeting the identified needs.

Describe all wetlands identified adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

No presence, no impact

Based on the desktop review, the aerial map of the project area, and the RFI report (Appendix E, page E-1 to E-13), there are no wetlands within the 0.5-mile search radius. Additionally, there are no wetlands within or adjacent to the project area, as confirmed by GAI's site visit on March 30, 2022. Therefore, no impacts are expected.

Terrestrial Habitat

Presence

Impacts

Yes	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Total terrestrial habitat in project area: 3.43 Acre(s) Total tree clearing: _____ Acre(s)

Describe types of terrestrial habitat (i.e. forested, grassland, farmland, lawn, etc) adjacent or within the project area. Include whether or not impacts will occur to habitat identified. Include total terrestrial habitat impacted and total tree clearing that will occur. Discuss measure to avoid, minimize, and mitigate if impacts will occur.

Presence, with impacts

Based on a desktop review, a site visit on March 30, 2022, by GAI, and the aerial map of the project area (Appendix B, page B-4,B-5), there is terrestrial habitat associated with urban residential areas consisting of mowed grass and ornamental plantings. The dominant species present include Perennial Ryegrass, *Lolium perenne*; various Pear species, *Pyrus communis L.*; Oaks, *Quercus sp.*; Maples, *Acer sp.*; The project will remove minimal grassy areas and trees, which will be revegetated as available for the project. Therefore, no impacts are expected.

IDNR, Division of Fish and Wildlife responded on August 30, 2021 with recommendations to limit tree clearing and mitigate for habitat loss (Appendix C, pages C11 to C12). All applicable recommendations are included in the Environmental Commitments section of this CE document.

Protected Species

Federally Listed Bats

Information for Planning and Consultation (IPaC) determination key completed
 Section 7 informal consultation completed (IPaC cannot be completed)
 Section 7 formal consultation Biological Assessment (B.A.) required

Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Determination Received for Listed Bats from USFWS: NE NLAA LAA

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Other Species not included in IPaC

Additional federal species found in project area (based on IPaC species list)	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State species (not bird) found in project area (based upon consultation with IDNR)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Migratory Birds

Known usage or presence of birds (i.e. nests)	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State bird species based upon coordination with IDNR	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discuss IDNR coordination and species identified. Describe USFWS Section 7 consultation and determination received for Indiana bat and northern long-eared bat impacts. Discuss if other federally listed species were identified. If so, include consultation that has occurred and the determination that was received. Discuss if migratory birds have been observed and any impacts.

Based on a desktop review and the RFI report (Appendix E, page E-1 to E-13), completed by Gai on April 24, 2022, the IDNR Jackson County Endangered, Threatened and Rare (ETR) Species List has been checked. According to the IDNR-DFW early coordination response letter dated August 30, 2021 (Appendix C, page C-11 to C-12), the Natural Heritage Program's Database has no plant or animal species listed as state or federally threatened, endangered, or rare have been reported to occur in the project vicinity. An INDOT 0.5 mile bat review occurred on August 27, 2022. The review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area.

Indiana Bat and Northern Long-Eared Bat

Project information was submitted through the USFWS's Information for Planning and Consultation (IPaC) portal, and an official species list was generated (Appendix C, page C-17). The project is within range of the federally endangered Indiana bat (*Myotis sodalis*) and the federally threatened northern long-eared bat (NLEB) (*Myotis septentrionalis*). No additional species were generated in the IPaC species list other than the Indiana bat and northern long-eared bat.

The project qualifies for the Rangewide Programmatic Informal Consultation for the Indiana bat and northern long-eared bat (NLEB), dated May 2016 (revised February 2018), between FHWA, Federal Railroad Administration (FRA), Federal Transit Administration (FTA), and USFWS. An effect determination key was completed on September 9, 2022, and based on the responses provided, the project was found to have no effect on the Indiana bat and/or the NLEB (Appendix C, pages C-32 to C-39). INDOT reviewed and concurred with the effect finding on November 30, 2022 (Appendix C, page C-40).

This precludes the need for further consultation on this project as required under Section 7 of the Endangered Species Act, as amended. If new information on endangered species at the site becomes available, or if project plans are changed, USFWS will be contacted for consultation.

Geological and Mineral Resources

Project located within the Indiana Karst Region	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karst features identified within or adjacent to the project area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Oil/gas or exploration/abandoned wells identified in the project area	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date Karst Evaluation reviewed by INDOT EWPO (if applicable): _____

Discuss if project is located in the Indiana Karst Region and if any karst features have been identified in the project area (from RFI). Discuss response received from IGWS coordination. Discuss if any mines, oil/gas, or exploration/abandoned wells were identified and if impacts will occur. Include discussion of karst study/report was completed and results. (Karst investigation must comply with the current Protection of Karst Features during Planning and Construction guidance and coordinated and reviewed by INDOT EWPO)

Inside karst area

Based on a desktop review and the Indiana Karst Region map, the project is located inside the designated Indiana Karst Region as outlined in the most current Protection of Karst Features during Project Development and Construction. According to the topo map of the project area (Appendix B, page B-2), and the RFI report (Appendix E, page E-1 to E-13), there are no karst features identified within or adjacent to the project area. In the early coordination response on August 30, 2021, the Indiana Geological and Water Survey (IGWS) did not indicate that karst features exist in the project area (Appendix C, pages C-13 to C-15)

IGWS DID INDICATE the geological hazards of high liquefaction potential; the mineral resources of bedrock and gravel resources; active and abandoned mineral resources and petroleum wells. The features will not be affected because of the limited scope of excavation and the general location of the project. Response from IGWS has been communicated with the designer on August 30, 2021. No impacts are expected.

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SECTION C – OTHER RESOURCES

Drinking Water Resources

- Wellhead Protection Area(s)
- Source Water Protection Area(s)
- Water Well(s)
- Urbanized Area Boundary
- Public Water System(s)

Presence

Impacts

Yes	No

Is the project located in the St. Joseph Sole Source Aquifer (SSA):

If Yes, is the FHWA/EPA SSA MOU Applicable?

If Yes, is a Groundwater Assessment Required?

Yes	No

Check the appropriate boxes and discuss each topic below. Provide details about impacts and summarize resource-specific coordination responses and any mitigation commitments. Reference responses in the Appendix.

Outside of Sole Source Aquifer (SSA):

The project is located in Jackson County, which is not located within the area of the St. Joseph Sole Source Aquifer, the only legally designated sole source aquifer in the state of Indiana. Therefore, the FHWA/EPA/INDOT Sole Source Aquifer Memorandum of Understanding (MOU) is not applicable to this project, a detailed groundwater assessment is not needed, and no impacts are expected.

Wellhead Protection Area and Source Water:

Not located in a Wellhead Protection Area or Source Water Area

The Indiana Department of Environmental Management's Wellhead Proximity Determinator website (<http://www.in.gov/idem/cleanwater/pages/wellhead/>) was accessed on September 09, 2022, by GAI. This project is not located within a Wellhead Protection Area or Source Water Area. No impacts are expected.

No wells present, no impacts:

GAI accessed the Indiana Department of Natural Resources Water Well Record Database website <https://www.in.gov/dnr/water/3595.htm> was accessed on September 09, 2022. No wells are located near this project. Therefore, no impacts are expected.

In an Urban Area Boundary Location

Based on a desktop review of (<https://entapps.indot.in.gov/MS4/>) by GAI on September 09, 2022, this project is located in an Urban Area Boundary (UAB). An early coordination letter was sent on August 30, 2021, to the City of Seymour MS4 coordinator. The MS4 coordinator did not respond within the 30-day time frame. The project will comply with the storm water quality management plan through compliance with the IDEM required Construction Stormwater General Permit (CSGP, formerly Rule 5) and INDOT specifications.

In a Public Water System Location:

Based on a desktop review, a site visit on March 30, 2022, by GAI, and the aerial map of the project area (Appendix B, pages B-4 to B-5), this project is located where there is a public water system. The public water system will not be affected because of the limited scope and location of this project. Early coordination letters were sent on August 30, 2021, to the City of Seymour. All utilities have been coordinated with, have been provided the opportunity to comment on the design plans, and have been made aware of the location of design features in order to determine conflicts to service lines, and mains alike.

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Floodplains

Project located within a regulated floodplain

Longitudinal encroachment

Transverse encroachment

Homes located in floodplain within 1000' up/downstream from project

Presence

Impacts

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>

If applicable, indicate the Floodplain Level?

Level 1 Level 2 Level 3 Level 4 Level 5

Use the IDNR Floodway Information Portal to help determine potential impacts. Include floodplain map in appendix. Discuss impacts according to the classification system. If encroachment on a flood plain will occur, coordinate with the Local Flood Plain Administrator during design to insure consistency with the local flood plain planning.

Not in floodplain:

The Indiana Department of Natural Resources Indiana Floodway Information Portal website <https://indnr.maps.arcgis.com/apps/webappviewer/index.html?id=05026dabc2e8461983e196d56a213c1e> was accessed on September 09, 2022, by GAI. This project is not located in a regulatory floodplain as determined from approved IDNR floodplain maps (Appendix B, page B-3). Therefore, it does not fall within the guidelines for the implementation of 23 CFR 650, 23 CFR 771, and 44 CFR. No impacts are expected.

Farmland

Agricultural Lands

Prime Farmland (per NRCS)

Presence

Impacts

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Total Points (from Section VII of CPA-106/AD-1006*) _____
 *If 160 or greater, see CE Manual for guidance.

Discuss existing farmland resources in the project area, impacts that will occur to farmland, and mitigation and minimization measures considered.

No presence, no impact

a site visit on March 30, 2022, by GAI, the aerial map of the project area (Appendix B, page pages B-4 to B-5), there is no land that meets the definition of farmland under the Farmland Protection Policy Act (FPPA) within or adjacent to the project area. The requirements of the FPPA do not apply to this project; therefore, no impacts are expected. An early coordination letter was sent on August 31, 2021, to Natural Resources Conservation Service (NRCS).

SECTION D – CULTURAL RESOURCES

Minor Projects PA	Category(ies) and Type(s)	INDOT Approval Date(s)	N/A
	<input type="text" value="B-1"/>	<input type="text" value="September 8,2022"/>	<input type="checkbox"/>

Full 106 Effect Finding
 No Historic Properties Affected No Adverse Effect Adverse Effect

Eligible and/or Listed Resources Present
 NRHP Building/Site/District(s) Archaeology NRHP Bridge(s)

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Documentation Prepared (mark all that apply) APE, Eligibility and Effect Determination 800.11 Documentation Historic Properties Report or Short Report Archaeological Records Check and Assessment Archaeological Phase Ia Survey Report Archaeological Phase Ic Survey Report Other:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	ESD Approval Date(s) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	SHPO Approval Date(s) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Memorandum of Agreement (MOA)	<input type="checkbox"/>	MOA Signature Dates (List all signatories) <input style="width: 100%; height: 20px;" type="text"/>	

If the project falls under the MPPA, describe the category(ies) that the project falls under and any approval dates. If the project requires full Section 106, use the headings provided. The completion of the Section 106 process requires that a Legal Notice be published in local newspapers. Please indicate the publication date, name of the paper(s), and the comment period deadline. Include any further Section 106 work which must be completed at a later date, such as mitigation from a MOA or avoidance commitments.

Minor Project PA Category B projects:

INDOT on behalf of FHWA has determined that the project falls under Category B-1, Replacement, repair, or installation of curbs, curb ramps, or sidewalks, including when such projects are associated with roadway work such as surface replacement, reconstruction, rehabilitation, or resurfacing projects, including overlays, shoulder treatments, pavement repair, seal coating, pavement grinding, and pavement marking of the Minor Projects PA, thus concluding the Section 106 process (Appendix D, pages D-1 to D-7).

The brick sidewalk in front of 435 S O'Brien St. shall be avoided by construction activities (this property is recorded in the IHSSI as the McDonald House; IHSSI #071-581-34094).

A firm commitment will be included in the environmental documentation for this project and entered into INDOT's Project Commitment Database.

SECTION E – SECTION 4(f) RESOURCES/ SECTION 6(f) RESOURCES

	<u>Presence</u>	<u>Use</u>	
		Yes	No
Parks and Other Recreational Land			
Publicly owned park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publicly owned recreation area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (school, state/national forest, bikeway, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildlife and Waterfowl Refuges			
National Wildlife Refuge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Natural Landmark	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State Wildlife Area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State Nature Preserve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic Properties			
Site eligible and/or listed on the NRHP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluations Prepared

Programmatic Section 4(f)	<input type="checkbox"/>
"De minimis" Impact	<input checked="" type="checkbox"/>
Individual Section 4(f)	<input type="checkbox"/>
Any exception included in 23 CFR 774.13	<input type="checkbox"/>

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Discuss Programmatic Section 4(f) and "de minimis" Section 4(f) impacts in the discussion below. Individual Section 4(f) documentation must be included in the appendix and summarized below. Discuss proposed alternatives that satisfy the requirements of Section 4(f). FHWA has identified various exceptions to the requirement for Section 4(f) approval. Refer to 23 CFR § 774.13 - Exceptions.

Presence, impact, use or no use:

Section 4(f) of the U.S. Department of Transportation Act of 1966 prohibits the use of certain public and historic lands for federally funded transportation facilities unless there is no feasible and prudent alternative. The law applies to significant publicly owned parks, recreation areas, wildlife/waterfowl refuges, and NRHP-eligible or listed historic properties regardless of ownership. Lands subject to this law are considered Section 4(f) resources.

Based on the information provided in the MPPA determination and after consultation between INDOT CRO and the IDNR SHPO, a 4(f) eligible resource, the McDonald House; IHSSI #071-581-34094, is adjacent to the project (Appendix D, page D-1 to D-8). It was, however, determined that all activities outlined in the MPPA would not detract FROM or constitute a use of the eligibility or relevant properties of the resource. Therefore no 4(f) use of either an individual or programmatic kind is expected.

Section 6(f) Involvement

Presence

Use

Section 6(f) Property

Yes

No

Discuss Section 6(f) resources present or not present. Discuss if any conversion would occur as a result of this project. If conversion will occur, discuss the conversion approval.

No presence or presence, no impact:

The U.S. Land and Water Conservation Fund Act of 1965 established the Land and Water Conservation Fund (LWCF), which was created to preserve, develop, and assure accessibility to outdoor recreation resources. Section 6(f) of this Act prohibits the conversion of lands purchased with LWCF monies to non-recreation use.

A review of 6(f) properties on the INDOT ESD website revealed a total of six properties in Jackson County (Appendix F, page F-2). None of these properties are located within or adjacent to the project area. Therefore, there will be no impacts to 6(f) resources.

SECTION F – Air Quality

STIP/TIP and Conformity Status of the Project

- Is the project in the most current STIP/TIP?
- Is the project located in an MPO Area?
- Is the project in an air quality non-attainment or maintenance area?
- If Yes, then:
 - Is the project in the most current MPO TIP?
 - Is the project exempt from conformity?
- If No, then:
 - Is the project in the Transportation Plan (T.P.)?
 - Is a hot spot analysis required (CO/PM)?

Yes	No
X	
	X
	X

Location in STIP: Page 107 (1902764)
 Name of MPO (if applicable): N.A.
 Location in TIP (if applicable): N.A.

Level of MSAT Analysis required?

Level 1a Level 1b Level 2 Level 3 Level 4 Level 5

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Describe if the project is listed in the STIP and if it is in a TIP. Describe the attainment status of the county(ies) where the project is located. Indicate whether the project is exempt from a conformity determination. If the project is not exempt, include information about the T.P. and TIP. Describe if a hot spot analysis is required and the MSAT Level.

STIP/TIP

Project Bundled in Contract:

These projects DES numbers are bundled under contract R-42784. The F.Y. 2022-2026 STIP is listed based on the lead DES number (1902764) in the contract. The F.Y. 2022-2026 STIP includes DES numbers 1902764 and 1902762 with contract number R-42784 (Appendix H, page H-1).

Attainment Status Attainment area:

This project is located in Jackson County, which is currently in attainment for all criteria pollutants according to (<https://www.in.gov/idem/sips/nonattainment-status-of-counties>). Therefore, the conformity procedures of 40 CFR Part 93 do not apply.

MSAT Level 1a Analysis:

This project is of a type qualifying as a categorical exclusion (Group 1) under 23 CFR 771.117(c), or exempt under the Clean Air Act conformity rule under 40 CFR 93.126, and as such, a Mobile Source Air Toxics analysis is not required.

SECTION G - NOISE

Noise

Yes No

Is a noise analysis required in accordance with FHWA regulations and INDOT's traffic noise policy?

Date Noise Analysis was approved/technically sufficient by INDOT ESD: _____

Describe if the project is a Type I or Type III project. If it is a Type I project, describe the studies completed to date and if noise impacts were identified. If noise impacts were identified, describe if abatement is feasible and reasonable and include a statement of likelihood.

Type III Project:

This project is a Type III project. In accordance with 23 CFR 772 and the current Indiana Department of Transportation Traffic Noise Analysis Procedure, this action does not require a formal noise analysis.

SECTION H – COMMUNITY IMPACTS

Regional, Community & Neighborhood Factors

Yes No

Will the proposed action comply with the local/regional development patterns for the area?	X	
Will the proposed action result in substantial impacts to community cohesion?		X
Will the proposed action result in substantial impacts to local tax base or property values?		X
Will construction activities impact community events (festivals, fairs, etc.)?		X
Does the community have an approved transition plan?	X	
If No, are steps being made to advance the community's transition plan?		
Does the project comply with the transition plan? (explain in the discussion below)	X	

Discuss how the project complies with the area's local/regional development patterns; whether the project will impact community cohesion; and impact community events. Discuss how the project conforms with the ADA Transition Plan.

The City of Seymour has an approved transition plan. This project which includes elements to ensure ADA compliant pedestrian facilities exist through the two projects, conforms with the elements of this transition plan. This project will add a sidewalk and ADA-compliant curb ramp to this residential area. Improving pedestrian and vehicular access will further local and regional; development

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patterns, sustain or improve cohesion in this neighborhood, and increase access to those residents needing ADA-compliant pathways. This project will have minor and short-term impacts on the localized community that will be alleviated upon the completion of construction. No community events will be impacted by the short-term impacts of this project, as access will remain to all properties throughout this project.

Public Facilities and Services

Discuss what public facilities and services are present in the project area and impacts (such as MOT) that will occur to them. Include how the impacts have been minimized and what coordination has occurred. Some examples of public facilities and services include health facilities, educational facilities, public and private utilities, emergency services, religious institutions, airports, transportation or public pedestrian and bicycle facilities.

No presence, no impact:

Based on a desktop review, the aerial map of the project area (Appendix B, pages B-4 to B-5), and the RFI report (Appendix E, pages E-1 to E-13), eleven public facilities within the 0.5-mile search radius exist. There are no public facilities within or adjacent to the project area, as confirmed by GAI's site visit on March 30, 2022. Therefore, no impacts are expected. Access to all properties will be maintained during construction.

It is the responsibility of the project sponsor to notify school corporations and emergency services at least two weeks prior to any construction that would block or limit access.

Environmental Justice (E.J.) (Presidential EO 12898)

During the development of the project were E.J. issues identified?

Does the project require an E.J. analysis?

If YES, then:

Are any E.J. populations located within the project area?

Will the project result in adversely high and disproportionate impacts to E.J. populations?

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate if E.J. issues were identified during project development. If an E.J. analysis was not required, discuss why. If an E.J. analysis was required, describe how the E.J. population was identified. Include if the project has a disproportionately high or adverse effect on E.J. populations and explain your reasoning. If yes, describe actions to avoid, minimize and mitigate these effects.

E.J. Analysis, E.J. Populations:

Under FHWA Order 6640.23A, FHWA and the project sponsor, as a recipient of funding from FHWA, are responsible to ensure that their programs, policies, and activities do not have a disproportionately high and adverse effect on minority or low-income populations. Per the current INDOT Categorical Exclusion Manual, an Environmental Justice (E.J.) Analysis is required for any project that has two or more relocations or 0.5 acre of additional permanent right-of-way. The project will require approximately 2.09 acres of ROW, but no relocations. Therefore, an E.J. Analysis is required.

Potential E.J. impacts are detected by locating minority and low-income populations relative to a reference population to determine if populations of E.J. concern exists and whether there could be disproportionately high and adverse impacts on them. The reference population may be a county, city or town and is called the community of comparison (COC). In this project, the COC is the city of Seymour, Jackson County, Indiana. The community that overlaps the project area is called the affected community (AC). In this project, the ACs are Census Tracts. An A.C. has a population of concern for E.J. if the population is more than 50% minority or low-income or if the low-income or minority population is 125% of the COC. Data from the ACS 5-Year Estimates Detailed Tables was obtained from <http://www.census.gov/> on September 11, 2022, by GAI. The data collected for minority and low-income populations within the A.C. are summarized in the below table.

Table: Minority and Low-Income Data (American Community Survey 5-Year Estimates 2020)

	COC	AC-1 Census Tract 9676, Jackson County, Indiana	AC-2 Census Tract 9679.01, Jackson County, Indiana
COC and AOC	Seymour, Indiana		

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% Minority	24%	27%	50%
125% COC Minority	30%	AC < 125% COC	AC > 125% COC
% low income	31%	18%	29%
125% COC Low Income	39%	AC < 125% COC	AC < 125% COC

Census Tract 9676 (AC-1), Jackson County, Indiana, has a percent minority of 27%, which is below 50% and below the 125% COC threshold. Census Tract 9679.01 (AC-2), Jackson County, Indiana, has a percent minority of 50%, which is at 50% and above the 125% COC threshold. Therefore AC-2 has a minority population of concern.

AC-1 has a percent low-income of 18%, which is below 50% and below the 125% COC threshold. AC-2 has a percent low-income of 29%, which is below 50% and below the 125% COC threshold.

Conclusion:

This project requires no relocations and would not disrupt community cohesion or create a physical barrier. The identified minority and low-income populations will not experience a disproportionately high and adverse impact from this project, as its primary purpose is to prolong the life of the existing roadway. This project will require strip ROW and not include any total takes or relocations for businesses or residential property. Furthermore, all access issues will be temporary and cease upon construction. The preferred method of traffic maintenance is to close O'Brien Street to through traffic in blocked segments and detour residents to access their homes from nearby local streets or alleys where possible. The roadway will be constructed half at a time to allow access to residences that have no other access besides O'Brien Street. Access to all properties will be maintained during construction.

No disproportionate impacts are expected as the ROW taken will not include any total takes or relocations of businesses or residents and consists of mainly frontage and strip ROW from all parcels, and the closures/lane restrictions will pose a temporary inconvenience to traveling motorists (including school buses and emergency services); however, no significant delays are anticipated, and all inconveniences will cease upon project completion. Delays would occur during construction but will stop with project completion.

INDOT-Environmental Services Division (ESD) has reviewed the project information along with the Environmental Justice (EJ) Analysis for the above-referenced project. With the information provided, the project may require minimal right-of-way, require no relocations, and would not disrupt community cohesion or create a physical barrier. With the information provided, INDOT-ESD would not consider the impacts associated with this project as causing a disproportionately high and adverse effect on minority and/or low-income populations of EJ concern relative to non-EJ populations in accordance with the provisions of Executive Order 12898 and FHWA Order 6640.23a. No further EJ Analysis is required.

Relocation of People, Businesses or Farms

Will the proposed action result in the relocation of people, businesses or farms?
Is a BIS or CSRS required?

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Number of relocations: Residences: 0 Businesses: 0 Farms: 0 Other: 0

Discuss any relocations that will occur due to the project. If a BIS or CSRS is required, discuss the results in the discussion below.

No Relocations:

No relocations of people, businesses, or farms will take place as a result of this project.

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SECTION I – HAZARDOUS MATERIALS & REGULATED SUBSTANCES

Hazardous Materials & Regulated Substances (Mark all that apply)

- Red Flag Investigation (RFI)
- Phase I Environmental Site Assessment (Phase I ESA)
- Phase II Environmental Site Assessment (Phase II ESA)
- Design/Specifications for Remediation required?

Documentation

Date RFI concurrence by INDOT SAM (if applicable): _____

Include a summary of the potential hazardous material concerns found during review. Discuss in depth sites found within, directly adjacent to, or ones that could impact the project area. Refer to current INDOT SAM guidance. If additional documentation (special provisions, pay quantities, etc.) will be needed, include in discussion. Include applicable commitments.

Presence, no impact:

Based on a review of GIS and available public records, the RFI was completed on April 18, 2022, by GAI and INDOT SAM provided their concurrence on April 22, 2022 (Appendix E, pages E-1 to E-13). Three (3) LUST sites are located within 0.5 mile of the project area. None of the LUST sites identified will impact the project. Further investigation for hazardous material concerns is not required at this time.

Napa Auto Parts, 524 East Tipton, Seymour, Jackson County, Indiana, AI: 36752 is located adjacent to the project area on the southeast corner of O'Brien Street and U.S. 50. According to the No Further Action Approval Determination Pursuant to Remediation Closure Guide issued by IDEM on October 3, 2011. Low levels of soil and groundwater contamination remain on the site and exist in the right-of-way (ROW). An ERC was placed on the property on September 1, 2011. The ERC prohibits the use of groundwater for any purpose. It states that disturbed soil as a result of excavation or construction activities shall be restored in such a manner that the remaining contaminant concentrations do not present a threat to human health or the environment. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.

BigFoot 06, 533/535 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33454, is adjacent to the project area on the northwest corner of O'Brien Street and U.S. 50. IDEM issued a No Further Action Determination pursuant to RISC Guidance for 535 West Tipton; however, further review of the ERC for this property indicates that the site was at 533/535 East Tipton. An Environmental Restrictive Covenant was recorded on the property on October 29, 2009. Total Petroleum Concentrations ranging from 88 to 2,300 parts per million remained on the property at depths from six (6) to nine (9) feet on the west and south sides of the property as well as under U.S. 50. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.

H.I. Hill Ready Mix Company, 525 Circle Street, Seymour, Jackson County, Permit #: INRM01009, is located adjacent to the project area on the west side of O'Brien Street at Circle Street. This permit is effective and expires on July 23, 2024. Coordination with the HI Hill Ready-mix will occur.

Part IV – Permits and Commitments

PERMITS CHECKLIST

Permits (mark all that apply)

Likely Required

Army Corps of Engineers (404/Section10 Permit)

- Nationwide Permit (NWP)
- Regional General Permit (RGP)
- Individual Permit (I.P.)

This is page 18 of 20 Project name: O'Brien St Road Rehabilitation (Segment 2 and 3) Date: March 21, 2023

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Permits (mark all that apply)	<u>Likely Required</u>
Other	<input type="checkbox"/>
IN Department of Environmental Management (401/Rule 5)	
Nationwide Permit (NWP)	<input type="checkbox"/>
Regional General Permit (RGP)	<input type="checkbox"/>
Individual Permit (I.P.)	<input type="checkbox"/>
Isolated Wetlands	<input type="checkbox"/>
Rule 5	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>
IN Department of Natural Resources	
Construction in a Floodway	<input type="checkbox"/>
Navigable Waterway Permit	<input type="checkbox"/>
Other	<input type="checkbox"/>
Mitigation Required	
U.S. Coast Guard Section 9 Bridge Permit	<input type="checkbox"/>
Others (Please discuss in the discussion below)	<input type="checkbox"/>

List the permits likely required for the project and summarize why the permits are needed, including permits designated as "Other."

It is likely a CSGP permit, formerly Rule 5, from IDEM will be needed.

Applicable recommendations provided by resource agencies are included in the Environmental Commitments section of this document. If permits are found to be necessary, the conditions of the permit will be requirements of the project and will supersede these recommendations. It is the responsibility of the project sponsor to identify and obtain all required permits.

ENVIRONMENTAL COMMITMENTS

List all commitments and include the name of agency/organization requesting/requiring the commitment(s). Listed commitments should be numbered.

Firm:

1. If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Environmental Services Division (ESD) and the INDOT District Environmental Section will be contacted immediately. (INDOT ESD and INDOT Seymour District)
2. It is the responsibility of the project sponsor to notify school corporations and emergency services at least two weeks prior to any construction that would block or limit access. (INDOT ESD)
3. The brick sidewalk in front of 435 S O'Brien St. shall be avoided by construction activities (this property recorded in the IHSSI as the McDonald House; IHSSI #071-581-34094). A note has been added to the plan sheets to avoid this feature. (INDOT CRO)
4. Any object, obstruction, or equipment will exceed 50 ft. in height, further coordination will be required with our office and the FAA. This is due to the close proximity of Seymour Airport and the need for any obstructions within 5 miles to meet a 100:1 glideslope to the nearest runway according to 14 CFR Part 77 standards. (INDOT Aviation)
5. Napa Auto Parts, 524 East Tipton, Seymour, Jackson County, Indiana, AI: 36752 is located adjacent to the project area on the southeast corner of O'Brien Street and U.S. 50. According to the No Further Action Approval Determination Pursuant to Remediation Closure Guide issued by IDEM on October 3, 2011. Low levels of soil and groundwater contamination remain on the site and exist in the right-of-way (ROW). An ERC was placed on the property on September 1, 2011. The ERC prohibits the use of groundwater for any purpose. It states that disturbed soil as a result of excavation or construction activities shall be restored in such a manner that the remaining contaminant concentrations do not present a threat to human health or the environment. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination (INDOT SAM).
6. BigFoot 06, 533/535 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33454, is adjacent to the project area on the northwest corner of O'Brien Street and U.S. 50. IDEM issued a No Further Action Determination pursuant to RISC Guidance for 535 West Tipton; however, further review of the ERC for this property indicates that the site was at 533/535 East Tipton. An Environmental Restrictive Covenant was recorded on the property on October 29, 2009. Total Petroleum Concentrations ranging from 88 to 2,300 parts per million remained on the property at depths from six (6) to nine (9) feet on the west and south sides of the

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property as well as under U.S. 50. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination (INDOT SAM).

7. H.I. Hill Ready Mix Company, 525 Circle Street, Seymour, Jackson County, Permit #: INRM01009, is located adjacent to the project area on the west side of O'Brien Street at Circle Street. This permit is effective and expires on July 23, 2024. Coordination with the HI Hill Ready-mix will occur (INDOT SAM).

For Further Consideration:

1. Impacts to non-wetland forest of one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area. Impacts to non-wetland forest under one (1) acre in an urban setting should be mitigated by planting five trees, at least 2 inches in diameter-at-breast height (dbh), for each tree which is removed that is 10" dbh or greater (5:1 mitigation based on the number of large trees) or by using the 1:1 replacement ratio based on area depending on the type of habitat impacted (individual canopy tree removal in an urban streetscape or park-like environment versus removal of habitat supporting a tree canopy, woody understory, and herbaceous layer). Impacts under 0.10 acre in an urban area may still involve the replacement of large diameter trees but typically do not require any additional mitigation or additional plantings beyond seeding and stabilizing disturbed areas. There are exceptions for high quality habitat sites however. (IDNR-DFW)

Table of Appendices

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Appendix C: Early Coordination

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Appendix E: Red Flag and Hazardous Materials

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Appendix G: Public Involvement

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------------------	----

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Appendix A

INDOT Supporting Documentation

Item	Appendix Page
Threshold Chart	A1

Categorical Exclusion Level Thresholds

	PCE	Level 1	Level 2	Level 3	Level 4 ¹
Section 106	Falls within guidelines of Minor Projects PA	“No Historic Properties Affected”	“No Adverse Effect”	-	“Adverse Effect” Or Historic Bridge involvement ²
Stream Impacts³	No construction in waterways or water bodies	< 300 linear feet of stream impacts	≥ 300 linear feet of stream impacts	-	USACE Individual 404 Permit ⁴
Wetland Impacts³	No adverse impacts to wetlands	< 0.1 acre	-	< 1.0 acre	≥ 1.0 acre
Right-of-way⁵	Property acquisition for preservation only or none	< 0.5 acre	≥ 0.5 acre	-	-
Relocations⁶	None	-	-	< 5	≥ 5
Threatened/Endangered Species (Species Specific Programmatic for Indiana bat & northern long eared bat)*	“No Effect”, “Not likely to Adversely Affect” (With select AMMs ⁷)	“Not likely to Adversely Affect” (With any AMMs or commitments)	-	“Likely to Adversely Affect”	Project does not fall under Species Specific Programmatic ⁸
Threatened/Endangered Species (Any other species)*	Falls within guidelines of USFWS 2013 Interim Policy or “No Effect”	“Not likely to Adversely Affect”	-	-	“Likely to Adversely Affect”
Environmental Justice	No disproportionately high and adverse impacts	-	-	-	Potential ⁹
Sole Source Aquifer	No Detailed Groundwater Assessment	-	-	-	Detailed Groundwater Assessment
Floodplain	No Substantial Impacts	-	-	-	Substantial Impacts
Section 4(f) Impacts	None	-	-	-	Any ¹⁰
Section 6(f) Impacts	None	-	-	-	Any
Permanent Traffic Alteration	None	-	-	-	Any
Noise Analysis Required	No	-	-	-	Yes
Air Quality Analysis Required	No	-	-	-	Yes ¹¹
Approval Level	Concurrence by DE or ESD	DE or ESD	DE or ESD	DE and/or ESD	DE and/or ESD; and FHWA
<ul style="list-style-type: none"> • District Env. (DE) • Env. Serv. Div. (ESD) • FHWA 					

¹ Coordinate with INDOT Environmental Services Division. INDOT will then coordinate with the appropriate FHWA Environmental Specialist.

² Any involvement with a bridge processed under the Historic Bridge Programmatic Agreement.

³ Total permanent impacts to streams (linear feet) and wetlands (acres).

⁴ US Army Corps of Engineers Individual 404 Permit

⁵ Total permanent and temporary right-of-way. This does not include reacquisition of existing apparent right-of-way.

⁶ If any relocations are within an area with a known or suspected Environmental Justice (EJ) or disadvantaged population, or has greater than 5 relocations, a conversation with FHWA, through INDOT ESD, is needed to confirm NEPA classification and outreach plan for the project.

⁷ Avoidance and Mitigation Measures (AMMs) determined by the IPAC determination key to be required that are not tree AMMs, bridge AMMs, or structure AMMs.

⁸ Projects that do not fall under a Species Specific Programmatic and results in a “Likely to Adversely Affect”. Other findings can be processed as a lower-level CE.

⁹ Potential for causing a disproportionately high and adverse impact.

¹⁰ Section 4(f) use resulting in an Individual, Programmatic, or *de minimis* evaluation. The only exception is a *de minimis* evaluation for historic properties (Effective January 2, 2020). If a historic property *de minimis* and no other use, mark the *None* column.

¹¹ Hot Spot Analysis and/or MSAT Quantitative Emission Analysis.

* Includes the threatened/endangered species critical habitat

Note: Substantial public or agency controversy may require a higher-level NEPA document.

Appendix B

Graphics

Item	Appendix Page
Maps of the Project Area	B1 to B9
Photographs of the Project Area	B10 to B11
Project Plans	B12 to B31



BARTHOLOMEW

DECATUR

Project Location

JENNINGS



JACKSON

Brownstown

Medora

Seymour

SCOTT

JEFFERSON

WASHINGTON

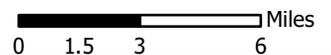


gai consultants

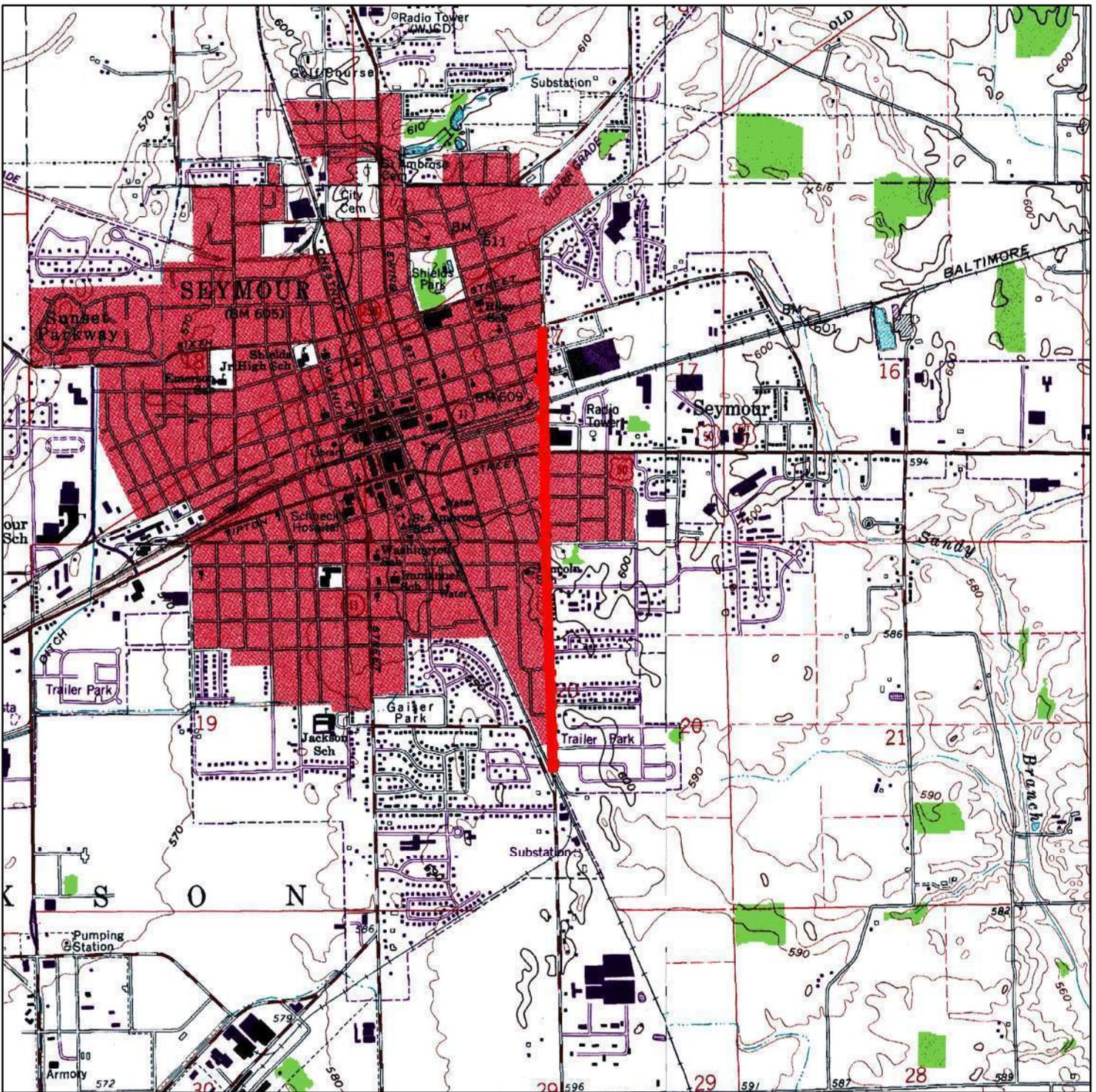
State Location Map

**O'Brien Street
Roadway Reconstruction Project
Jackson County, Indiana
Des. No's. 1902762 & 1902764**

N



Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



 Study Area

USGS Topo Map

**O'Brien Street
Roadway Reconstruction Project
Jackson County, Indiana
Des No.'s 1902762 & 1902764**

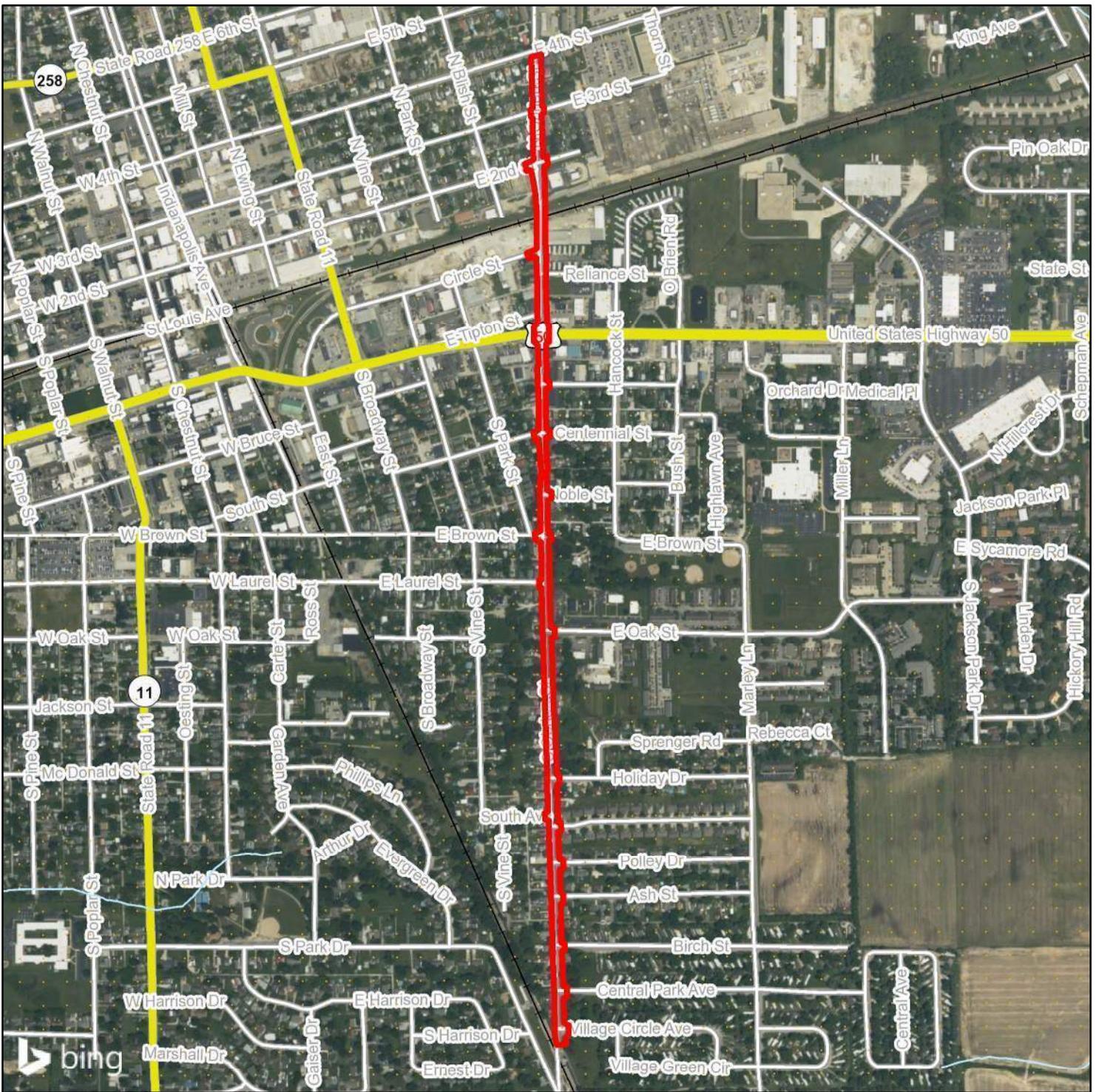


0 1,000 2,000 4,000 Feet

SEYMOUR USGS 7.5 Minute Topo Map

Service Layer Credits: United States Geological Survey (USGS)



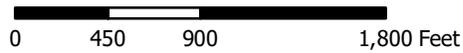


FEMA Floodzone Map

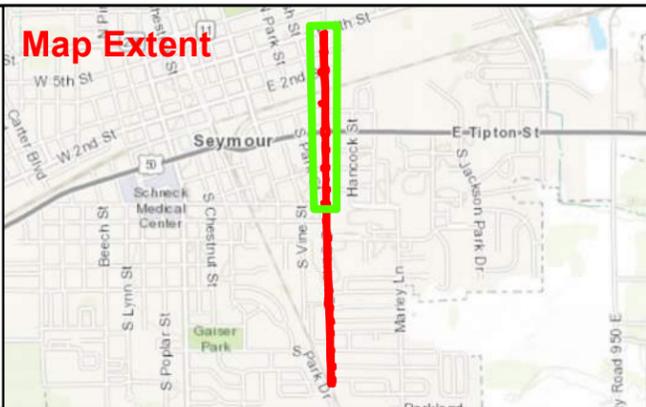
**O'Brien Street, from Village Circle Avenue to 4th Street
 Roadway Reconstruction Project
 Jackson County, Indiana
 Des No's. 1902762 & 1902764**

	Study Area	Flood Hazard
	Interstate	 A
	US Roads	 AE
	State Roads	 X
	Local Roads	
	Railroad	

FIRM PANEL(S): 18071C0209D

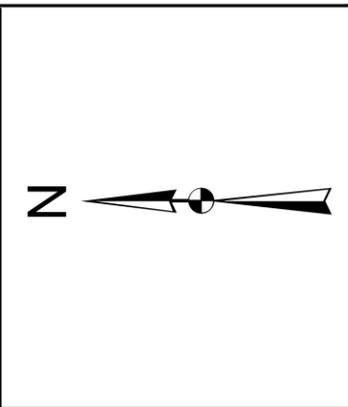


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 Indiana Department of Natural Resources FIRM Floodplains and Flood Hazards of Indiana,
 FEMA NFHL



Legend

- Study Area
- Interstate
- US Roads
- State Roads
- Local Roads
- Railroad

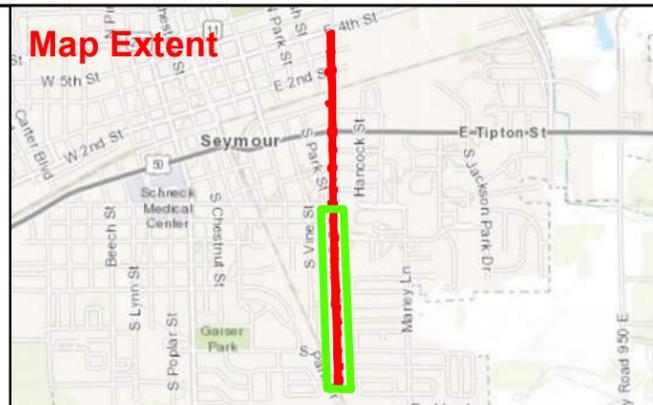
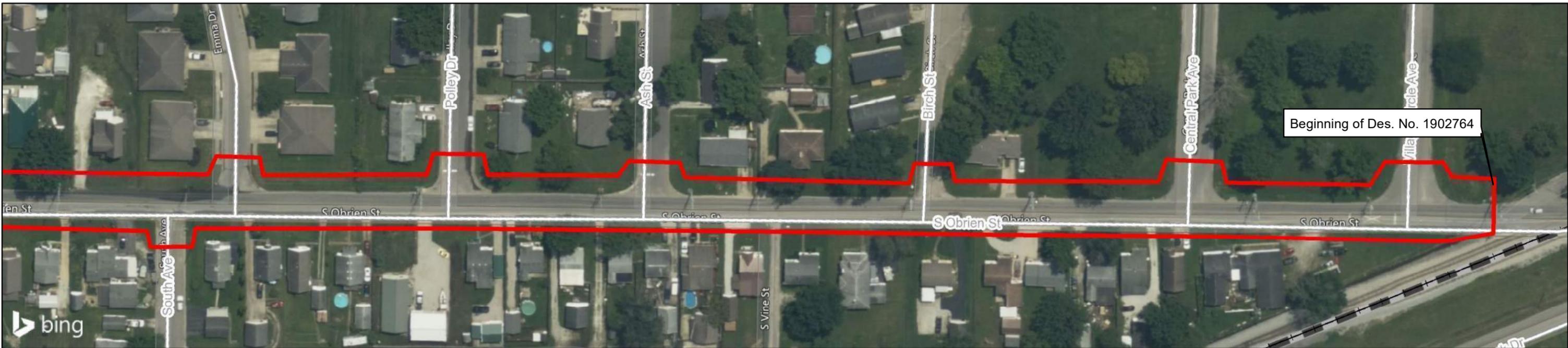


Aerial Location Map

**O'Brien Street
Roadway Reconstruction Project
Jackson County, Indiana
Des No's. 1902762 & 1902764**

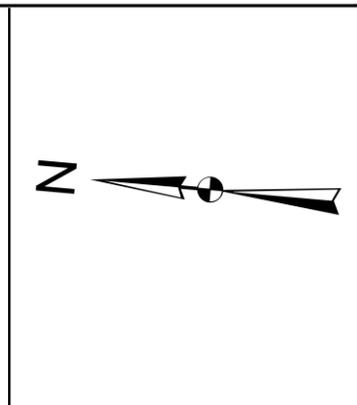
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Legend

- Study Area
- Interstate
- US Roads
- State Roads
- Local Roads
- Railroad



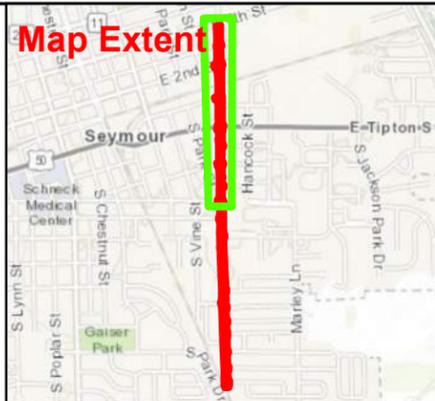
Aerial Location Map
O'Brien Street
Roadway Reconstruction Project
Jackson County, Indiana
Des No's. 1902762 & 1902764

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Feet

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gai consultants



Legend

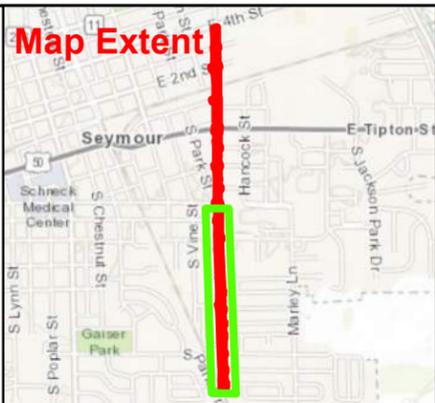
-  Study Area
-  Interstate
-  US Roads
-  State Roads
-  Local Roads
-  Railroad
-  NWI Wetlands



NWI Wetlands Map
O'Brien Street
Roadway Rehabilitation Project
Jackson County, Indiana
Des No's. 1902762 & 1902764

0 70 140 280
 Feet

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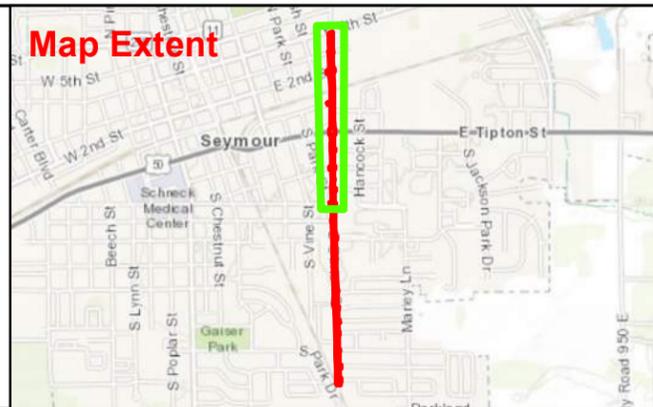
- Legend**
- Study Area
 - Interstate
 - US Roads
 - State Roads
 - Local Roads
 - + Railroad
 - NWI Wetlands



NWI Wetlands Map
O'Brien Street
Roadway Rehabilitation Project
Jackson County, Indiana
Des No's. 1902762 & 1902764

0 70 140 280
 Feet

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Legend

- Study Area
- Interstate
- US Roads
- State Roads
- Local Roads
- Railroad
- Photo Point

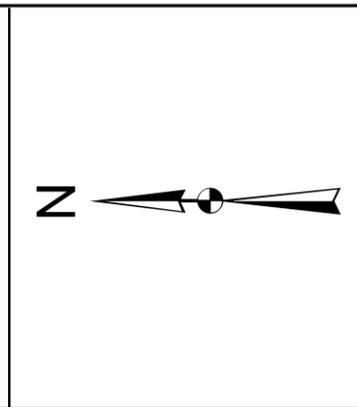
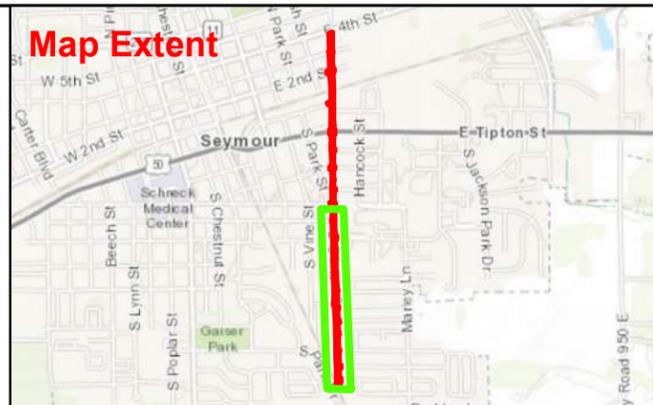
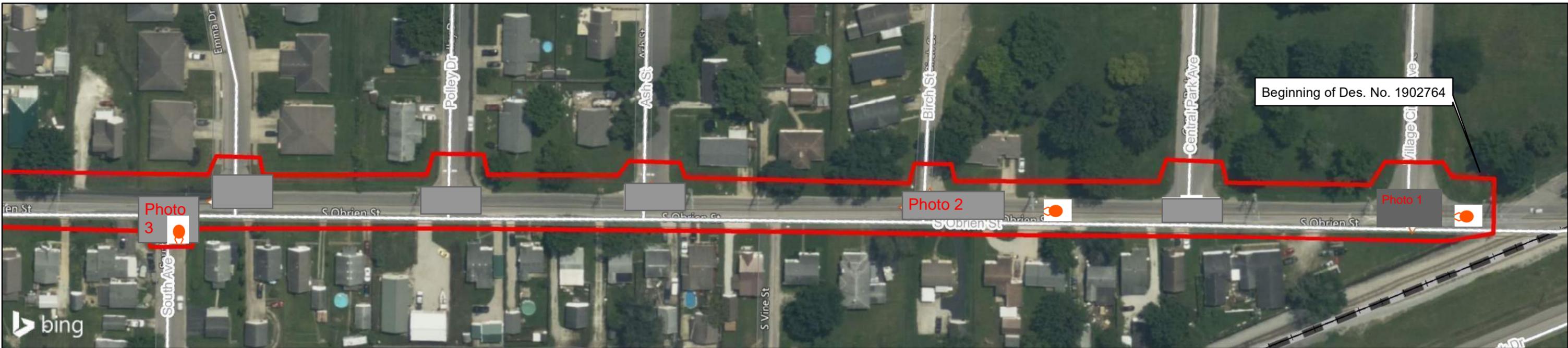
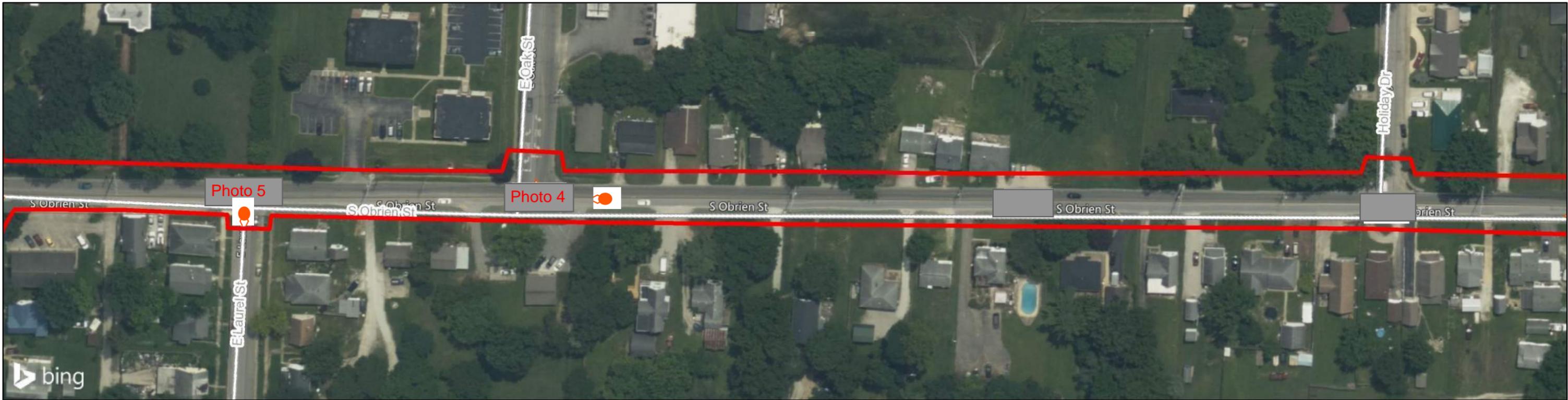


Photo Location Map
O'Brien Street
Roadway Reconstruction Project
Jackson County, Indiana
Des No's. 1902762 & 1902764

0 70 140 280
Feet

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Legend

- Study Area
- Interstate
- US Roads
- State Roads
- Local Roads
- Railroad
- 📍 Photo Points

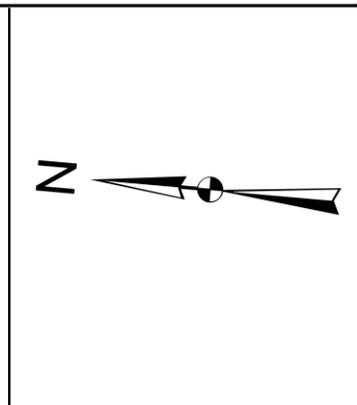


Photo Location Map
O'Brien Street
Roadway Reconstruction Project
Jackson County, Indiana
Des No's. 1902762 & 1902764

0 70 140 280
Feet

Service Layer Credits: INDOT
 Indiana Office of Information Technology, Indiana University Spatial Data Portal, UITS, Woolpert Inc.
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community
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Photo 1. Looking north from the Railroad at beginning of Des. 1902764.

Photo 2. Typical section of O'Brien St in Des 1902764



Photo 3. Looking west down South Ave from the O'Brien St,

Photo 4. Looking north to Oak St. intersection.



Photo 5. Looking west down Laurel St.



Photo 6. Looking north through US 50



Photo 7. Looking north to RR crossing of Des. 1902762.



Photo 8. Looking north across E. 3rd St

PROJECT	DESIGNATION	DESCRIPTION
1902764	1902764	O'Brien Street - Village Circle to US 50
CONTRACT	KIN DESIGNATION	DESCRIPTION
R-42784	1902762	O'Brien Street - US 50 to 4th Street

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

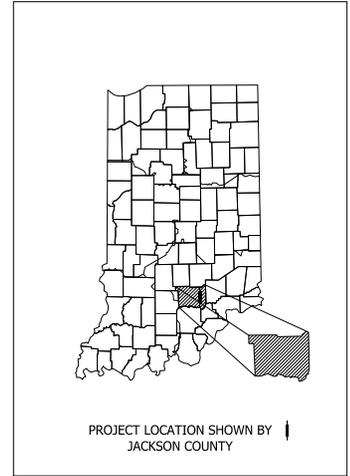
ROUTE: O'Brien Street From: Village Circle Ave. To: US 50

PROJECT NO. 1902764 P.E.
 1902764 R/W
 1902764 CONST.

Project Description: Roadway Reconstruction on O'Brien Street from Village Circle Ave. to U.S. 50
 Section 17, T-6-N, R-6-E, and Section 20, T-6-N, R-6-E, Jackson Township, Jackson County, Indiana

TRAFFIC DATA		O'BRIEN STREET
A.A.D.T. (2025)		7337 V.P.D.
A.A.D.T. (2045)		8708 V.P.D.
D.H.V. (2045)		784 V.P.H.
DIRECTIONAL DISTRIBUTION		53.6% / 46.4%
TRUCKS		7% A.A.D.T. 7% D.H.V.
DESIGN DATA		O'BRIEN STREET
DESIGN SPEED		30 M.P.H.
PROJECT DESIGN CRITERIA		4R
FUNCTIONAL CLASSIFICATION		MINOR ARTERIAL
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE

R-42784 - PART 2 OF 2

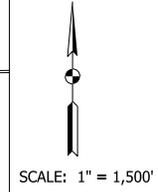


LATITUDE: 38° 57' 43" N LONGITUDE: 85° 52' 53" W

BRIDGE LENGTH:	N/A	MI.
ROADWAY LENGTH:	0.847	MI.
TOTAL LENGTH:	0.847	MI.
MAX. GRADE:	2.36	%

END PROJECT
STA. 145+60.00 "A"

BEGIN PROJECT
STA. 100+90.00 "A"



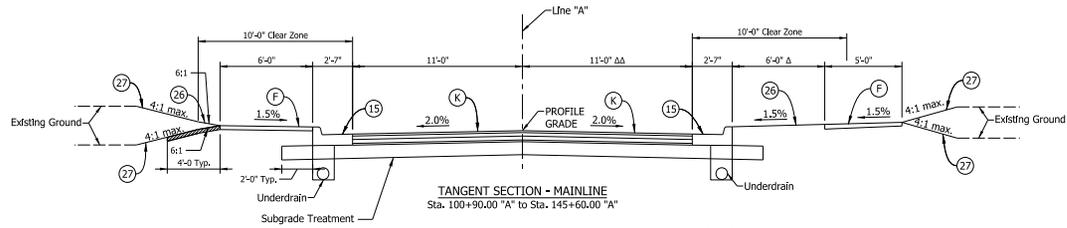
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STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS



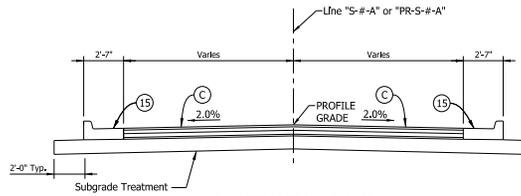
PLANS PREPARED BY: GAI Consultants Inc. (317) 570-6800 PHONE NUMBER
 CERTIFIED BY: 4/01/2021 DATE
 APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

DESIGNATION	
1902764	1902764
SHEETS	
1	78
PROJECT	
R-42784	1902764

PWS: 3/16/2021 5:38:25 PM By: harynet Pen: Transportation.dtl



ΔΔ = 16'-0" from Sta. 144+65 "A" to Sta. 145+60.00 "A"



TANGENT SECTION - S-LINES
 Sta. 10+11.01 "PR-CP" to Sta. 10+47.55 "PR-VC" VILLAGE CIRCLE DRIVE
 Sta. 10+11.01 "PR-CP" to Sta. 10+49.36 "PR-CP" CENTRAL PARK AVENUE
 Sta. 10+11.00 "PR-S-1-A" to Sta. 10+65.00 "PR-S-1-A" BIRCH STREET
 Sta. 10+11.00 "S-2-A" to Sta. 10+48.41 "S-2-A" ASH STREET
 Sta. 10+11.00 "S-3-A" to Sta. 10+48.42 "S-3-A" POLLEY DRIVE
 Sta. 10+11.00 "S-4-A" to Sta. 10+65.00 "S-4-A" EMMA DRIVE
 Sta. 19+40.00 "PR-S-5-A" to Sta. 19+89.00 "PR-S-5-A" SOUTH AVENUE
 Sta. 10+11.00 "S-6-A" to Sta. 10+65.00 "S-6-A" HOLIDAY DRIVE
 Sta. 10+11.00 "PR-S-7-A" to Sta. 10+46.59 "PR-S-7-A" OAK STREET
 Sta. 19+43.00 "PR-S-8-A" to Sta. 19+89.01 "PR-S-8-A" E. LAUREL STREET
 Sta. 19+50.00 "PR-S-9-A" to Sta. 19+88.97 "PR-S-9-A" E. BROWN STREET
 Sta. 10+11.00 "S-10-A" to Sta. 10+67.00 "S-10-A" NOBLE STREET
 Sta. 10+11.02 "PR-S-11-A" to Sta. 10+47.14 "PR-S-11-A" E. CENTENNIAL STREET
 Sta. 19+39.00 "PR-S-12-A" to Sta. 19+88.45 "PR-S-12-A" W. CENTENNIAL STREET
 Sta. 10+11.00 "PR-S-13-A" to Sta. 10+52.09 "PR-S-13-A" EUCLID AVENUE

Δ Varies From 6'-0" at Sta. 122+09.75 "A" to 2'-0" at Sta. 122+49.75 "A"
 Varies From 0'-0" at Sta. 122+99.73 "A" to 4'-0" at Sta. 123+11.71 "A"
 4'-0" at Sta. 123+11.71 "A" to 4'-0" at Sta. 123+15.13 "A"
 Varies From 4'-0" at Sta. 123+15.13 "A" to 0'-0" at Sta. 123+27.09 "A"
 Varies From 2'-0" at Sta. 124+89.12 "A" to 6'-0" at Sta. 125+01.10 "A"
 Varies From 6'-0" at Sta. 125+04.52 "A" to 2'-0" at Sta. 125+16.48 "A"
 0'-0" at Sta. 125+32.92 "A" to 0'-0" at Sta. 127+19.21 "A"
 Varies From 2'-0" at Sta. 127+19.21 "A" to 6'-0" at Sta. 127+31.21 "A"
 7'-0" at Sta. 128+24.55 "A" to 7'-0" at Sta. 130+99.75 "A"
 Varies From 7'-0" at Sta. 130+99.75 "A" to 6'-0" at Sta. 131+09.75 "A"
 Varies From 6'-0" at Sta. 134+47.36 "A" to 2'-0" at Sta. 134+59.36 "A"
 Varies From 2'-0" at Sta. 136+38.94 "A" to 2'-0" at Sta. 136+68.94 "A"
 8'-0" at Sta. 136+68.94 "A" to 8'-0" at Sta. 137+81.15 "A"
 Varies From 8'-0" at Sta. 137+81.15 "A" to 2'-0" at Sta. 138+11.15 "A"
 Varies From 2'-0" at Sta. 138+61.77 "A" to 4'-0" at Sta. 138+71.77 "A"
 4'-0" at Sta. 138+71.77 "A" to 4'-0" at Sta. 139+27.86 "A"
 Varies From 4'-0" at Sta. 139+27.86 "A" to 2'-0" at Sta. 139+37.86 "A"
 0'-0" at Sta. 139+37.86 "A" to 0'-0" at Sta. 140+62.50 "A"
 Varies From 2'-0" at Sta. 140+62.50 "A" to 4'-0" at Sta. 140+74.71 "A"
 0'-0" at Sta. 141+25.00 "A" to 0'-0" at Sta. 142+95.50 "A"
 Varies From 2'-0" at Sta. 142+95.50 "A" to 6'-0" at Sta. 143+15.50 "A"
 Varies From 6'-0" at Sta. 144+64.41 "A" to 3'-0" at Sta. 144+79.41 "A"
 3'-0" at Sta. 144+79.41 "A" to 3'-0" at Sta. 145+60.00 "A"

LEGEND

- (15) Curb and Gutter, Concrete
- (26) Sodding
- (27) Mulched Seeding, U
- (C) HMA for Approaches, Type B:
 165 #/SY HMA Surface, Type B on
 275 #/SY HMA Intermediate, Type B on
 440 #/SY HMA Base, Type B on
 3" Compacted Aggregate, No. 53
- (E) Sidewalk, Concrete
- (U) Underdrain
- (K) 165 #/SY QC/QA HMA 3, 76, Surface, 9.5mm on
 275 #/SY QC/QA HMA 3, 70, Intermediate, 12.5mm on
 440 #/SY QC/QA HMA 3, 64, Base, 25.0mm on
 3" Compacted Aggregate, No. 53



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JVV	

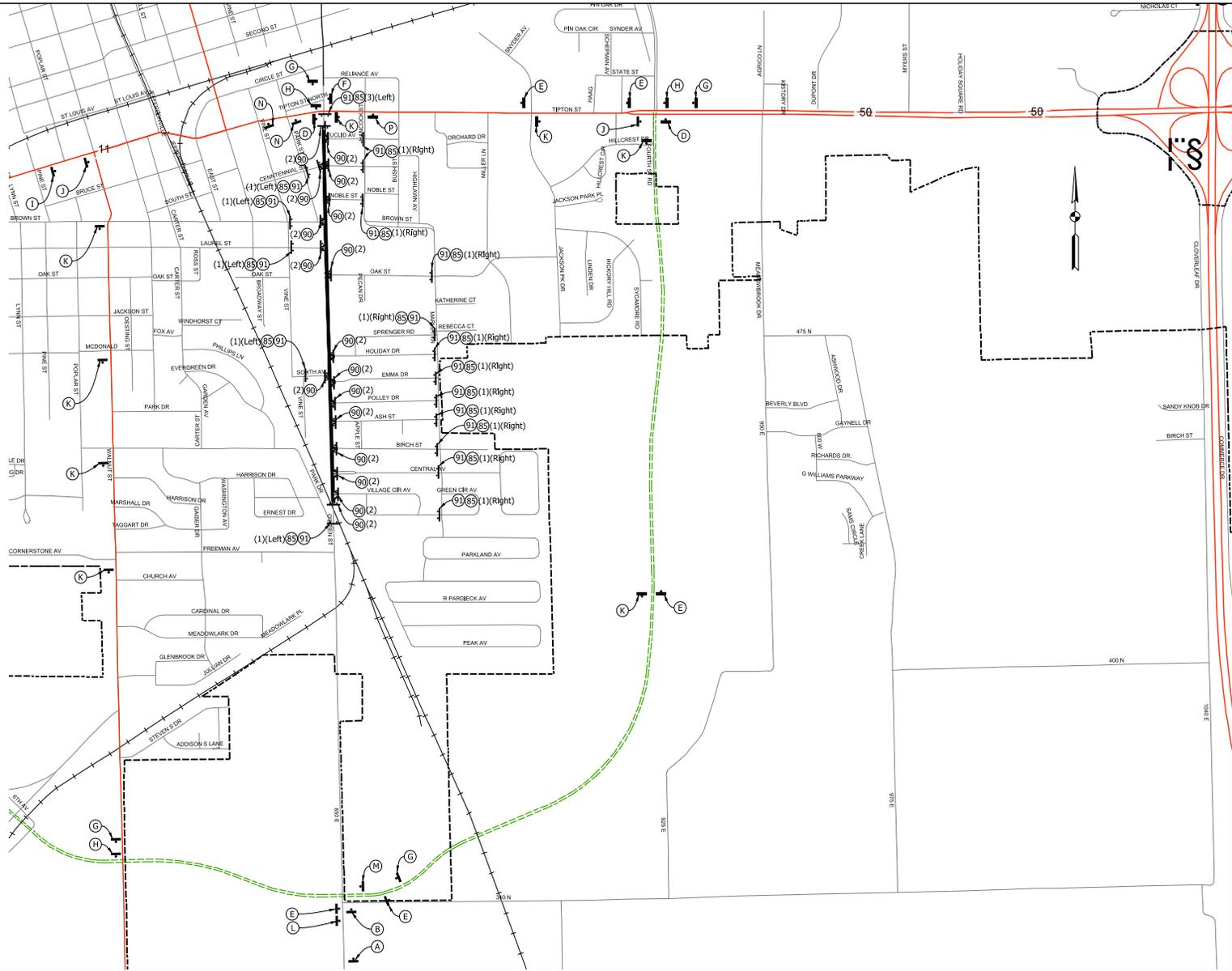
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE	BRIDGE FILE
1/4" = 1'-0"	
	DESIGNATION
	1902764
SURVEY BOOK	SHEETS
	3 of 78
CONTRACT	PROJECT
R-42784	1902764

428543.PK BPE_NORTH.dwg 11/16/2021 11:58:43 AM Proj: Transportation.DLL Mod:Sheet 1
 Z:\2020\R200424.02 - Seymour O'Brien Village C:\CAD\BCAD\Production Drawings\R200424.02 Detour Route.dgn

(A) DETOUR XM4-8 North M3-1 S O'BRIEN S D3-1 M5-1(R)	(B) DETOUR XM4-8 North M3-1 S O'BRIEN S D3-1 M6-1(R)	(D) DETOUR XM4-8 North M3-1 S O'BRIEN S D3-1 M6-1(L)
(E) DETOUR XM4-8 North M3-1 S O'BRIEN S D3-1 M6-3	(F) END DETOUR XM4-8a North M3-1 S O'BRIEN S D3-1 M6-1(R)	(G) DETOUR XM4-8 South M3-3 S O'BRIEN S D3-1 M5-1(L)
(H) DETOUR XM4-8 South M3-3 S O'BRIEN S D3-1 M6-1(L)	(I) DETOUR XM4-8 South M3-3 S O'BRIEN S D3-1 M5-1(R)	(J) DETOUR XM4-8 South M3-3 S O'BRIEN S D3-1 M6-1(R)
(K) DETOUR XM4-8 South M3-3 S O'BRIEN S D3-1 M6-3	(L) END DETOUR XM4-8a South M3-3 S O'BRIEN S D3-1 M6-1(R)	(M) END DETOUR XM4-8 South M3-3 S O'BRIEN S D3-1 M6-1(L)
(N) DETOUR XM4-8 S O'BRIEN S D3-1 M6-1(R)	(P) DETOUR XM4-8 S O'BRIEN S D3-1 North South M3-1 M3-3 M6-1(L) M6-1(R)	



LEGEND

(1) 24' of Barricades staged per INDOT Standard DWG 801-TCDT-02, with 1 RCSA

(2) 24' of Barricades with 1x Road Closed (R11-2)

(3) 5' of Barricades staged off of road and sidewalk

(85) ROAD CLOSURE SIGN ASSEMBLY, (RCSA) ROAD CLOSED TO THRU TRAFFIC (R11-4) W/ DETOUR ARROW (XM4-10 (L OR R))

(91) III-A BARRICADES

(92) III-B BARRICADES

— PROJECT LOCATION

— CONSTRUCTION SIGN

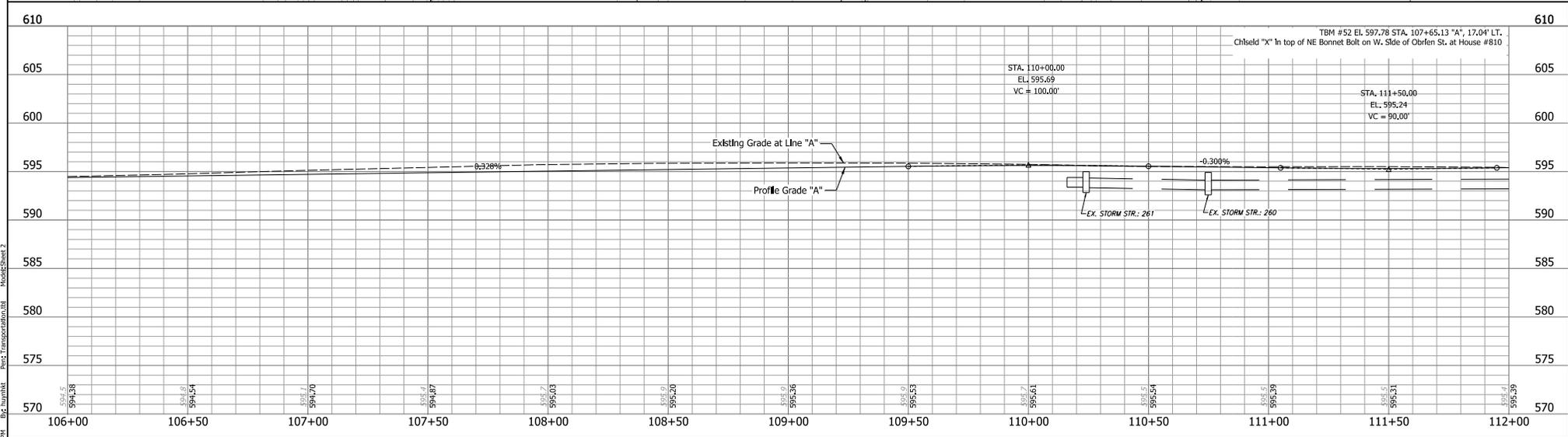
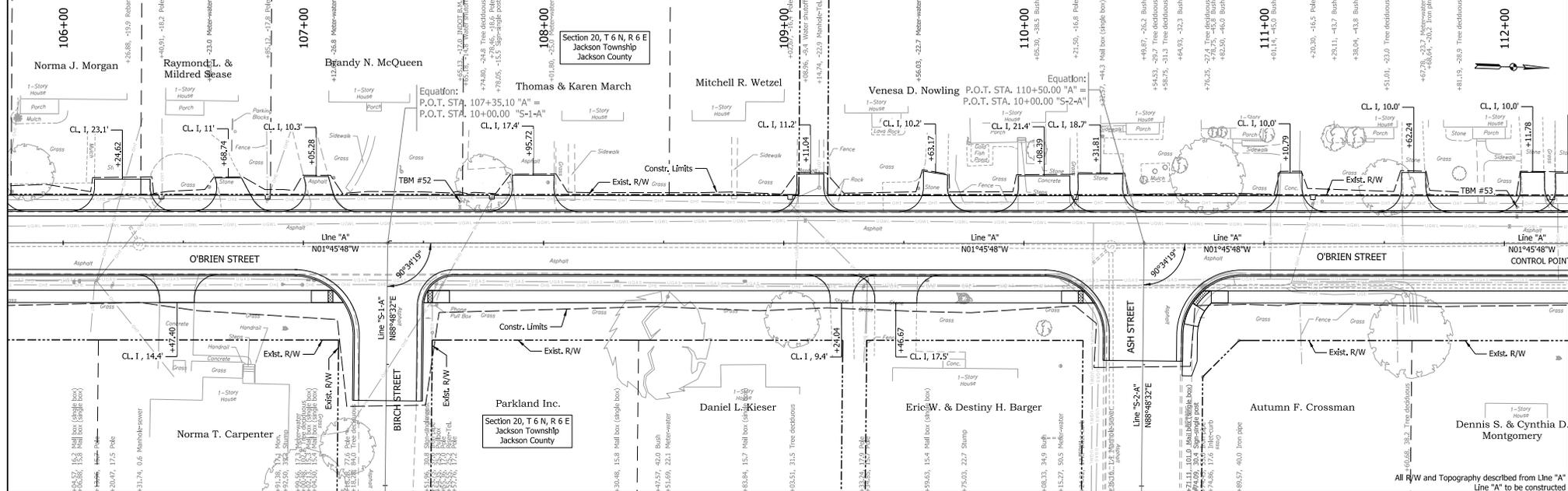
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JVV	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE I
DETOUR ROUTE

SCALE 1" = 600'	BRIDGE FILE
	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	PROJECT
R-42784	1902764



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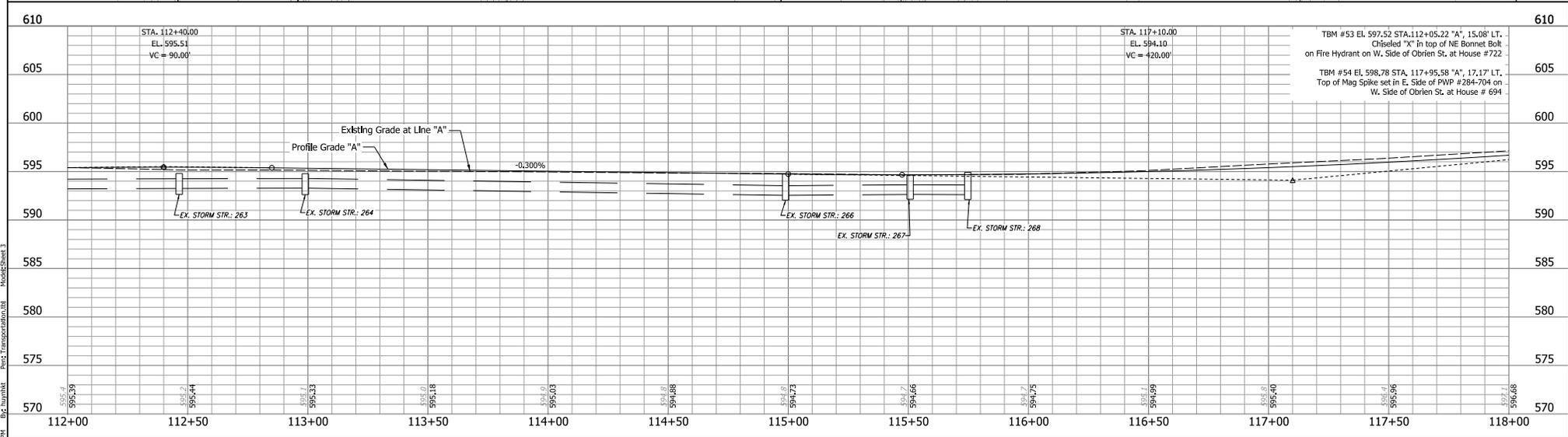
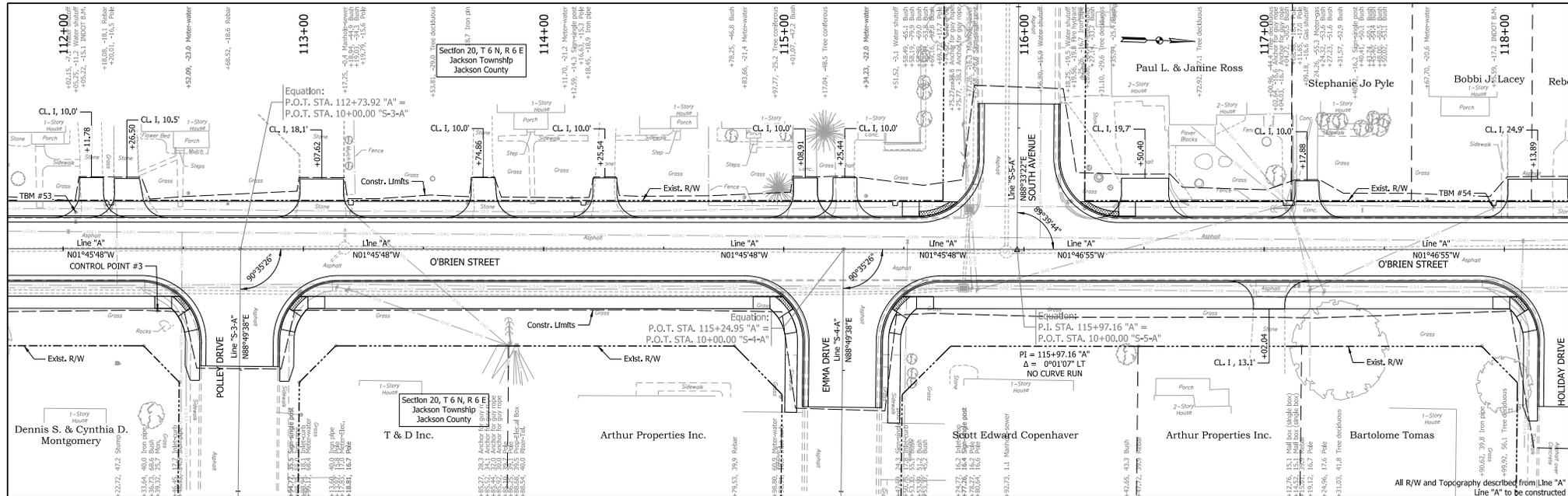
gal consultants

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JJV	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1902762
SURVEY BOOK	SHEETS
6	1 of 78
CONTRACT	PROJECT
R-42784	1902764

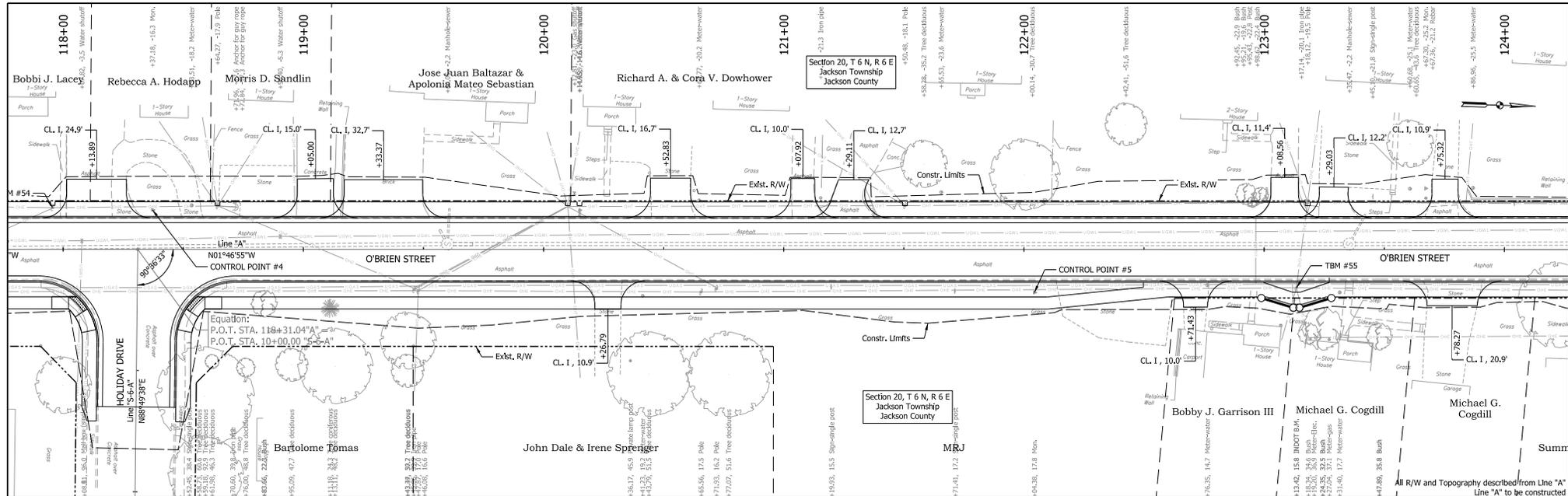


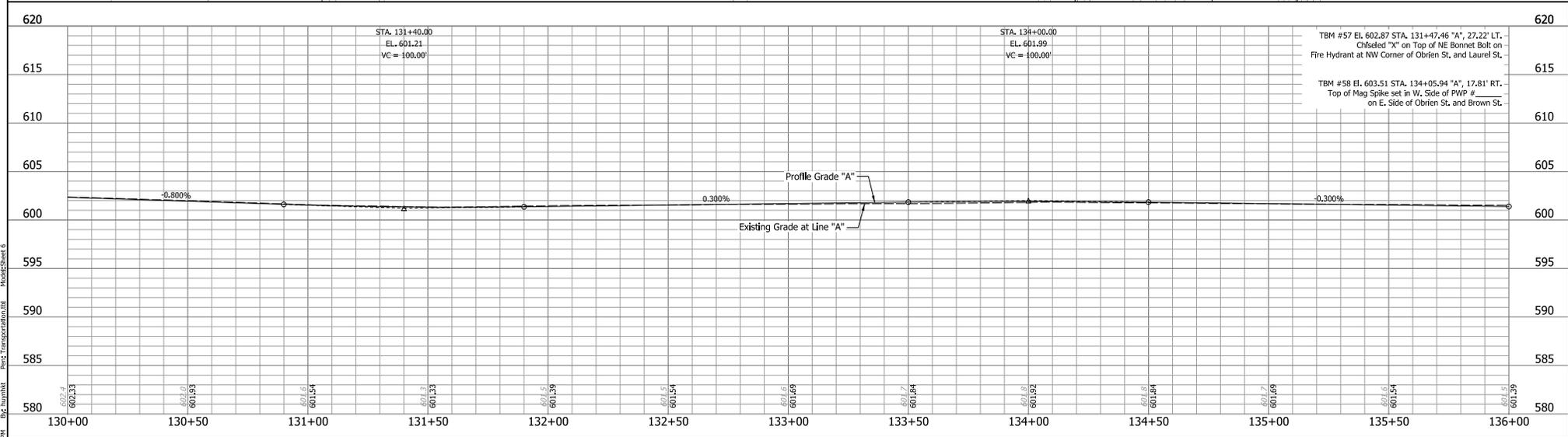
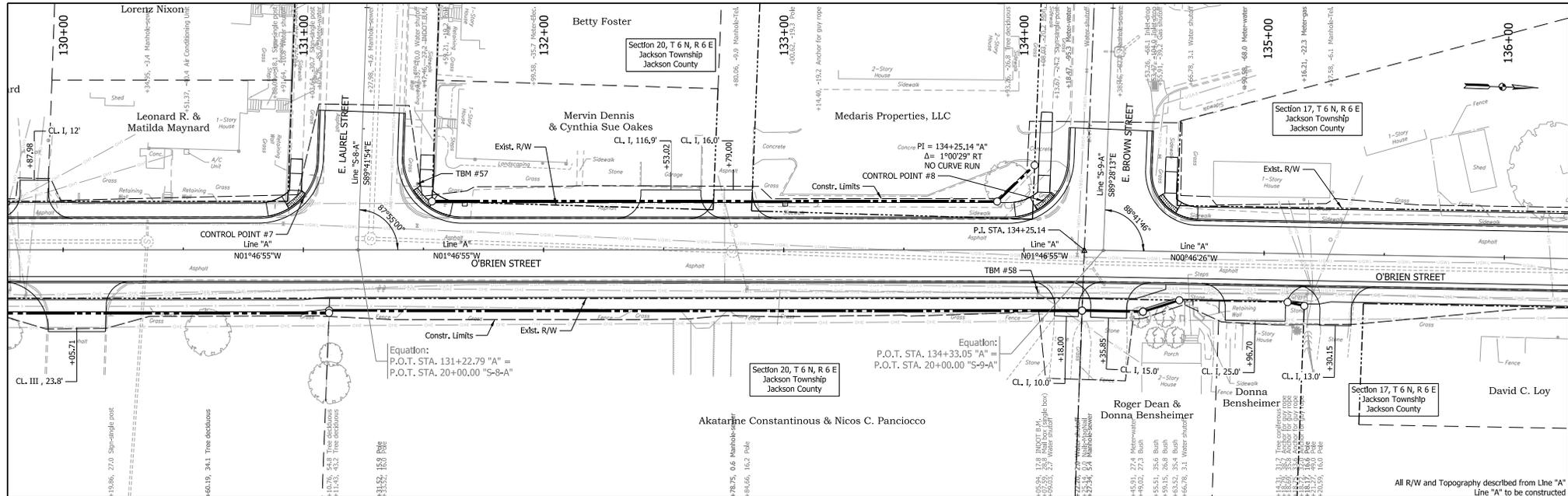
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JJV	

INDIANA
 DEPARTMENT OF TRANSPORTATION

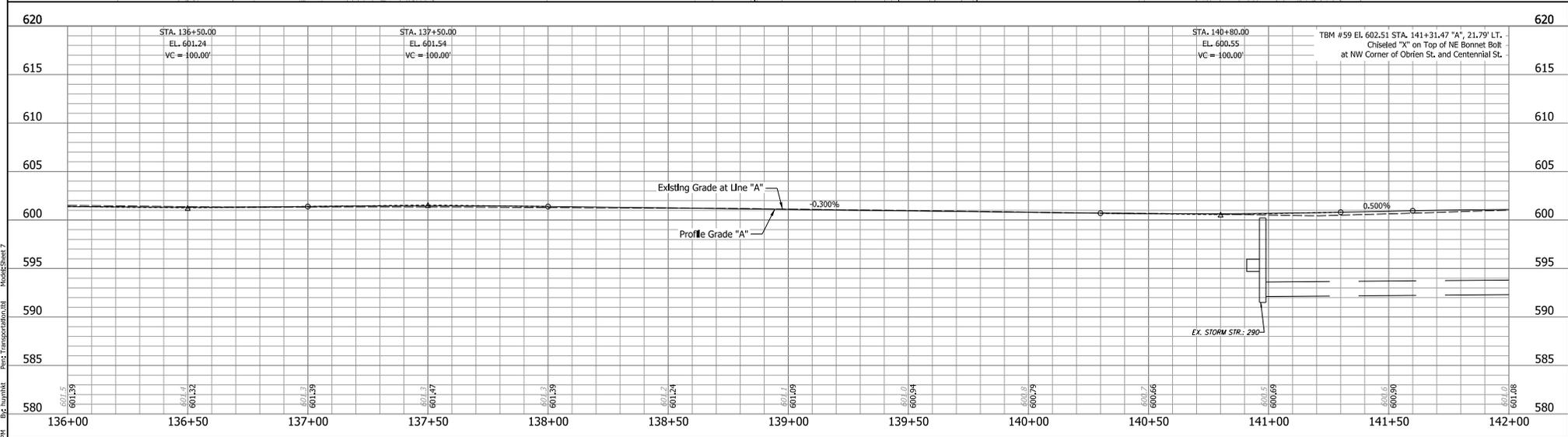
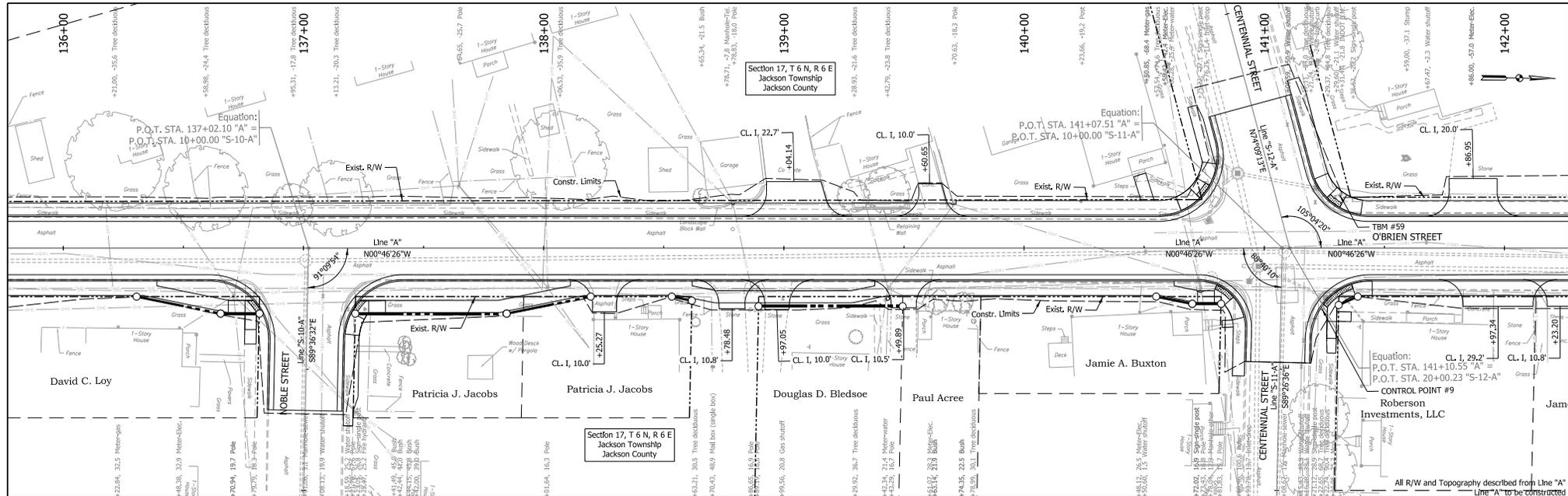
PLAN AND PROFILE
 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1902762
SURVEY BOOK	SHEETS
7	1 of 78
CONTRACT	PROJECT
R-42784	1902764

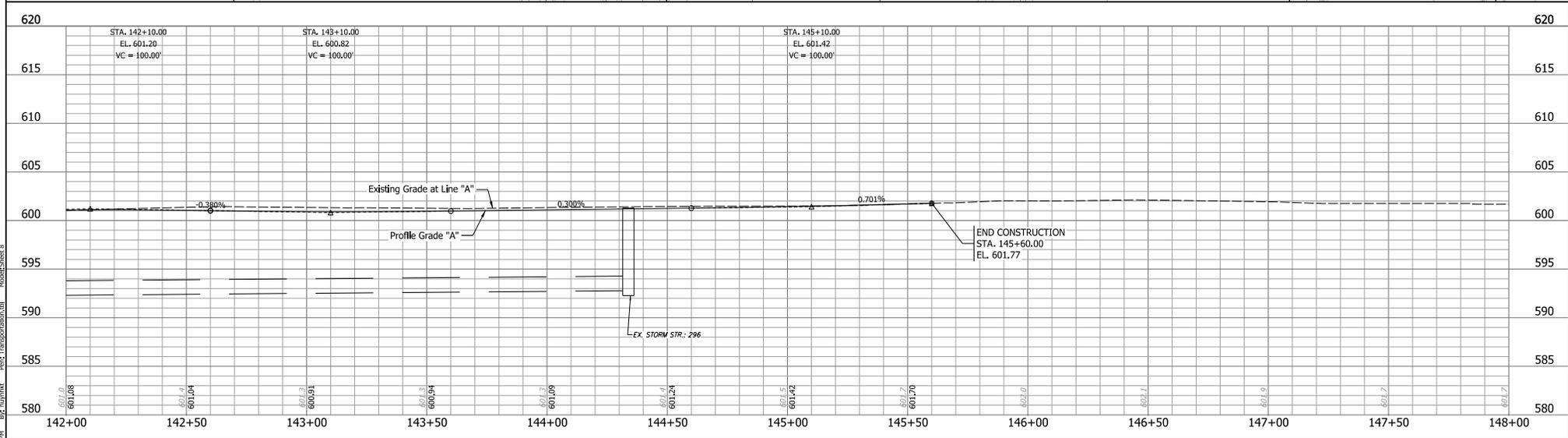
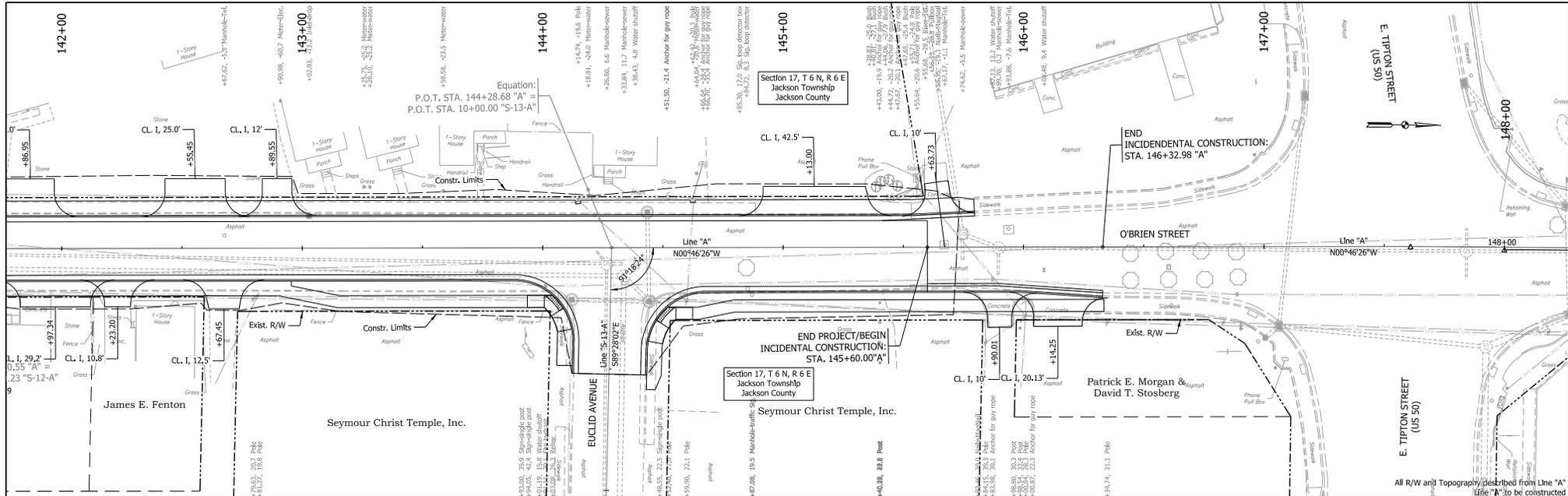




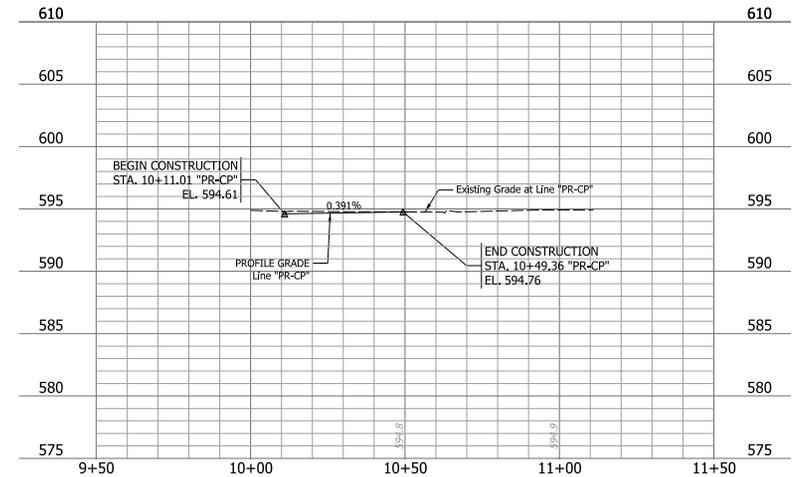
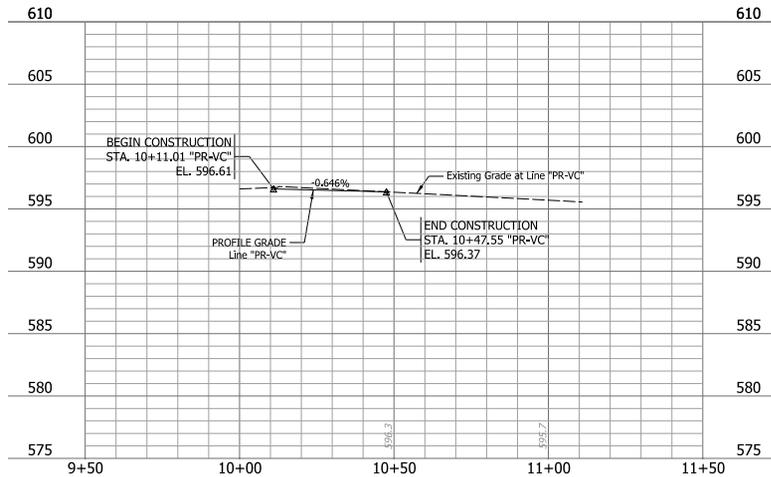
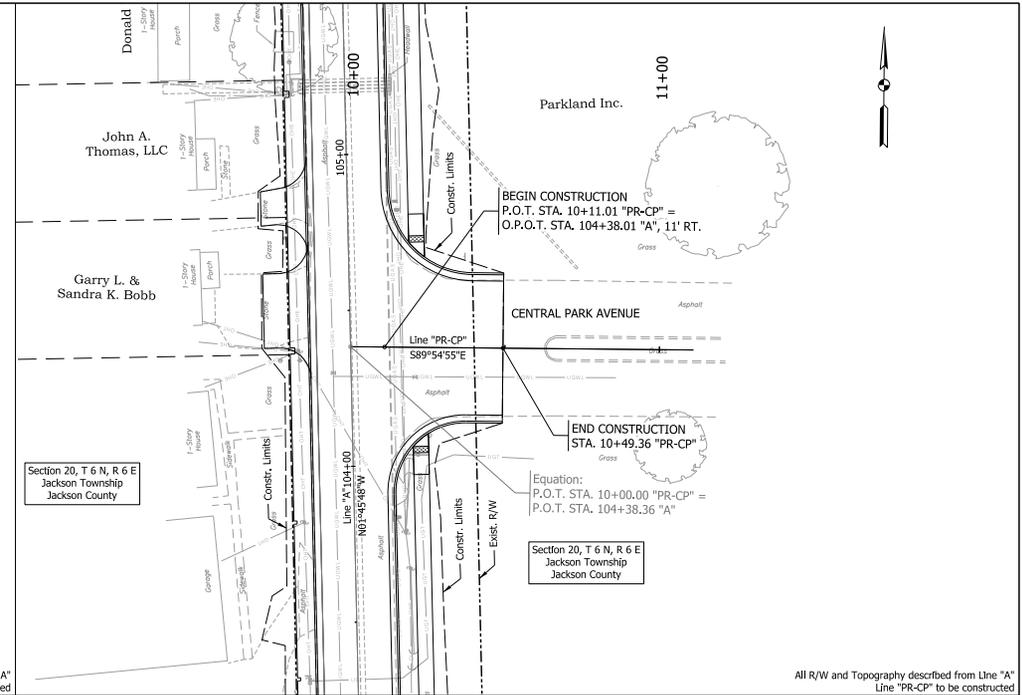
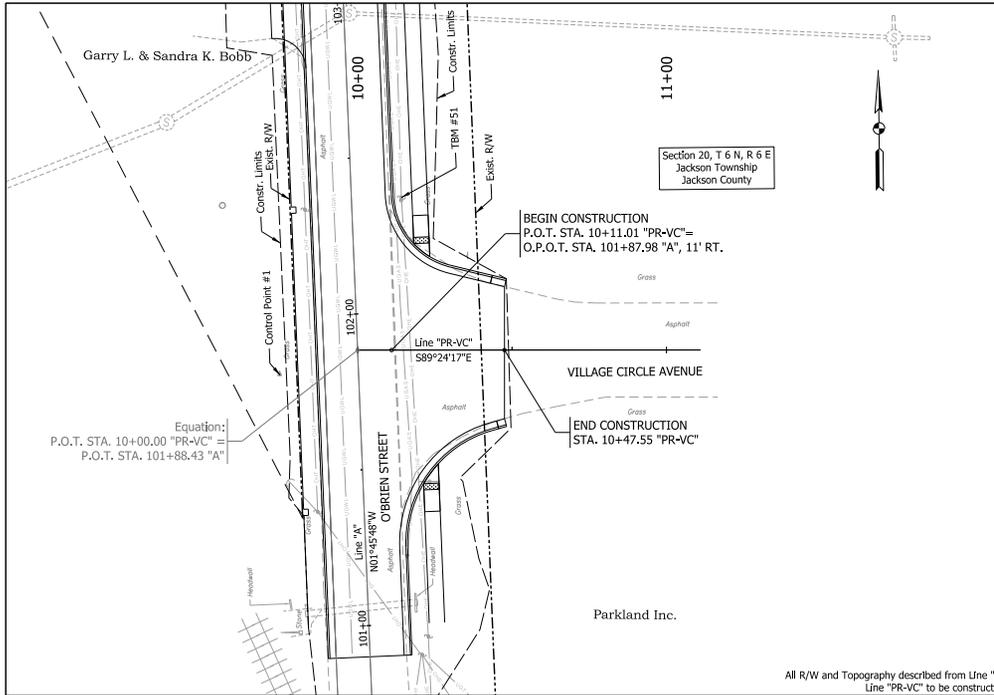
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	DESIGNED: BOA CHECKED: BWC		DRAWN: KTH CHECKED: JJV	VERTICAL SCALE 1" = 5'	DESIGNATION 1902762
	SURVEY BOOK _____ CONTRACT R-42784		SHEETS 10 of 78	PROJECT 1902764	
			PROJECT 1902764		



	RECOMMENDED FOR APPROVAL DESIGN ENGINEER: _____ DATE: _____ DRAWN: KTH CHECKED: BWC CHECKED: JJV	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "A"	HORIZONTAL SCALE 1" = 20' BRIDGE FILE DESIGNATION 1902764 SHEETS 11 of 78 PROJECT R-42784 1902764
	PROJECT: R200424.02 - Seymour O'Brien Village C/GAD/BCAD/Production Drawings/R200424.02 Plan and Profiles.dgn SHEET: B21		



	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "A"	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: ARW/BCA	DRAWN: KTH			VERTICAL SCALE	DESIGNATION
	CHECKED: JJV	CHECKED: JJV			1" = 5'	1902762/1902764
					SURVEY BOOK	SHEETS
					12 of 78	
				CONTRACT	PROJECT	
				R-42784	1902762/1902764	



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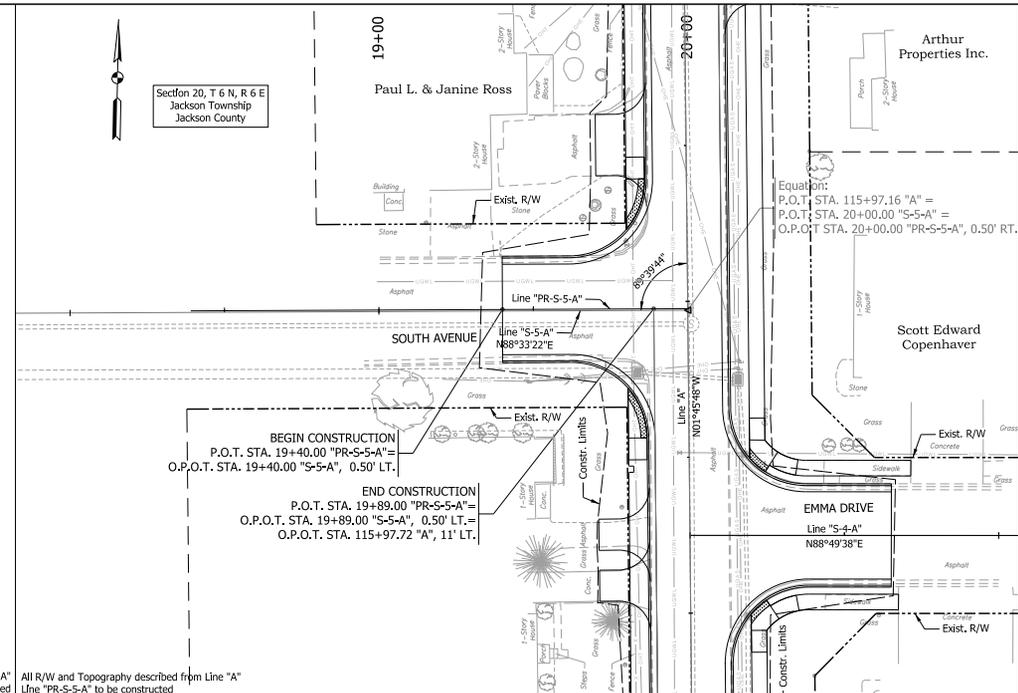
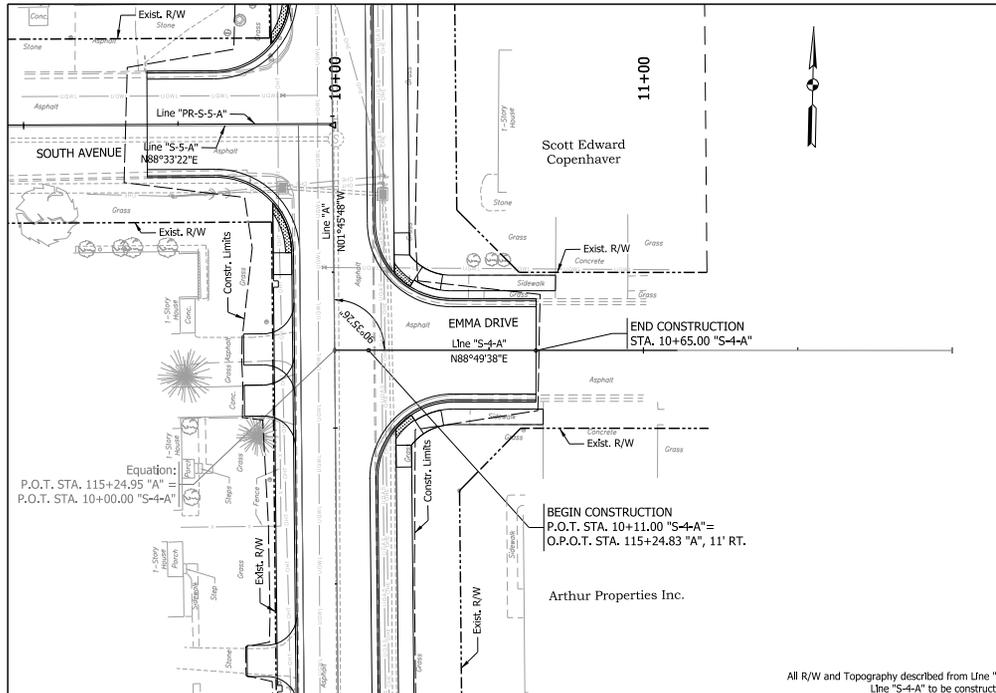


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JJV	

INDIANA
DEPARTMENT OF TRANSPORTATION

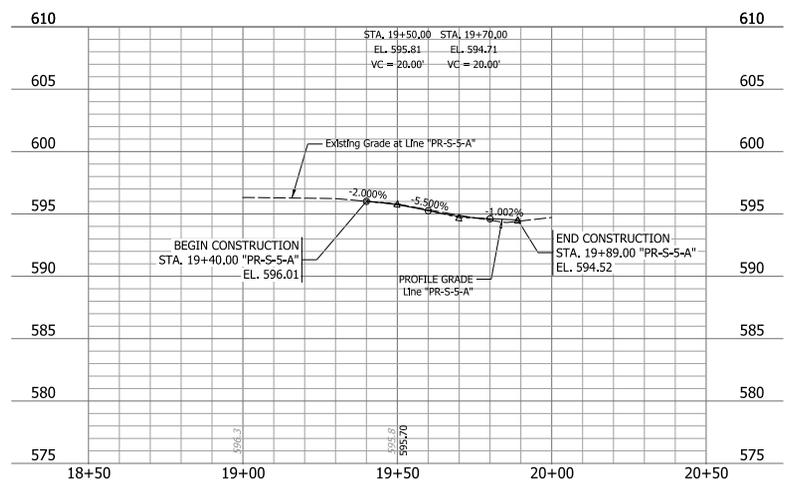
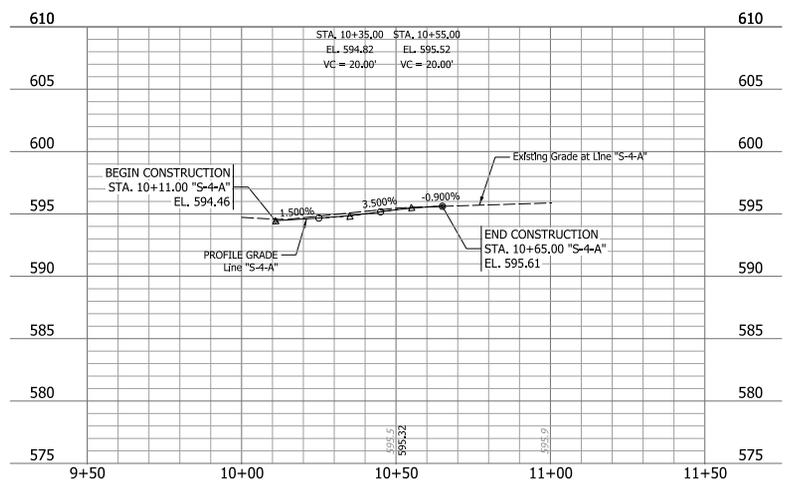
PLAN AND PROFILE
Lines "PR-VC" & "PR-CP"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1902762
SURVEY BOOK	SHEETS
	13 of 78
CONTRACT	PROJECT
R-42784	1902764



All R/W and Topography described from Line "A" Line "S-4-A" to be constructed

All R/W and Topography described from Line "A" Line "S-5-A" to be constructed



4498527.PK
 BIZ: InRoads
 PLOT: Transportation.DLL
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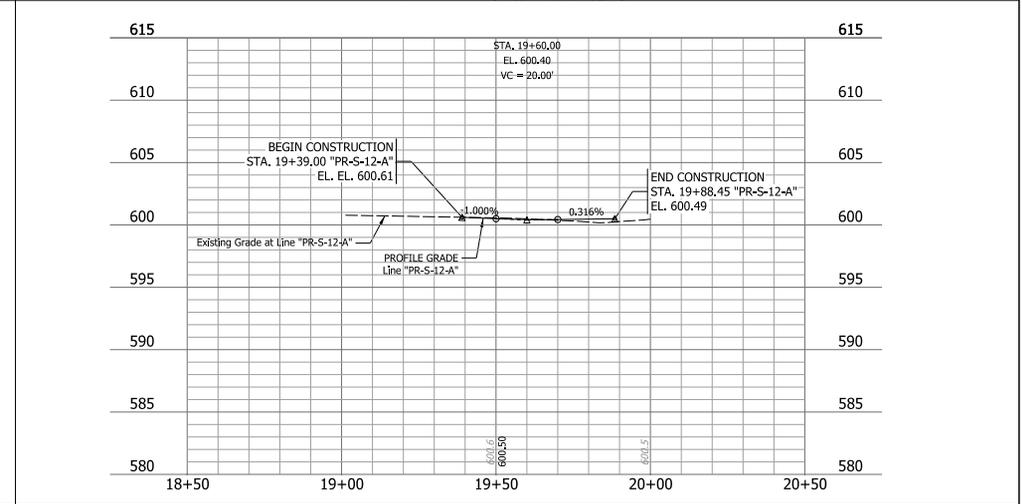
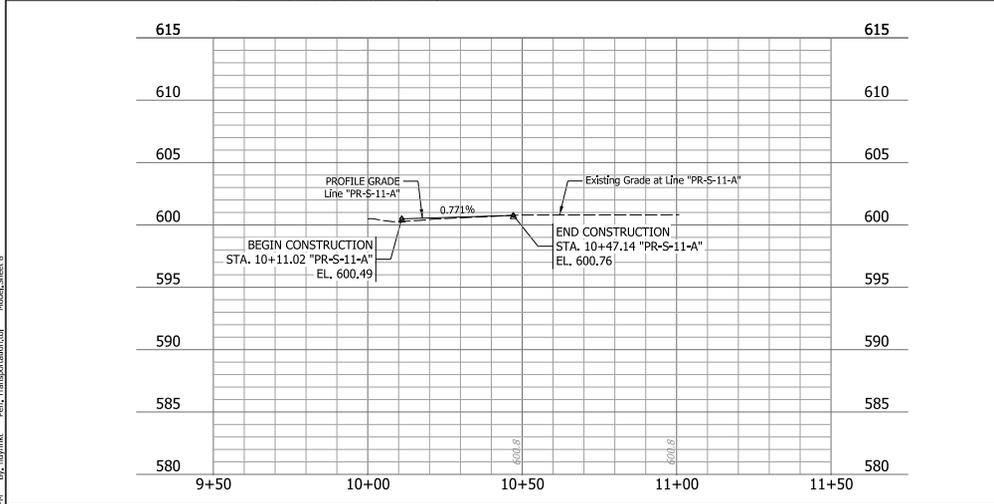
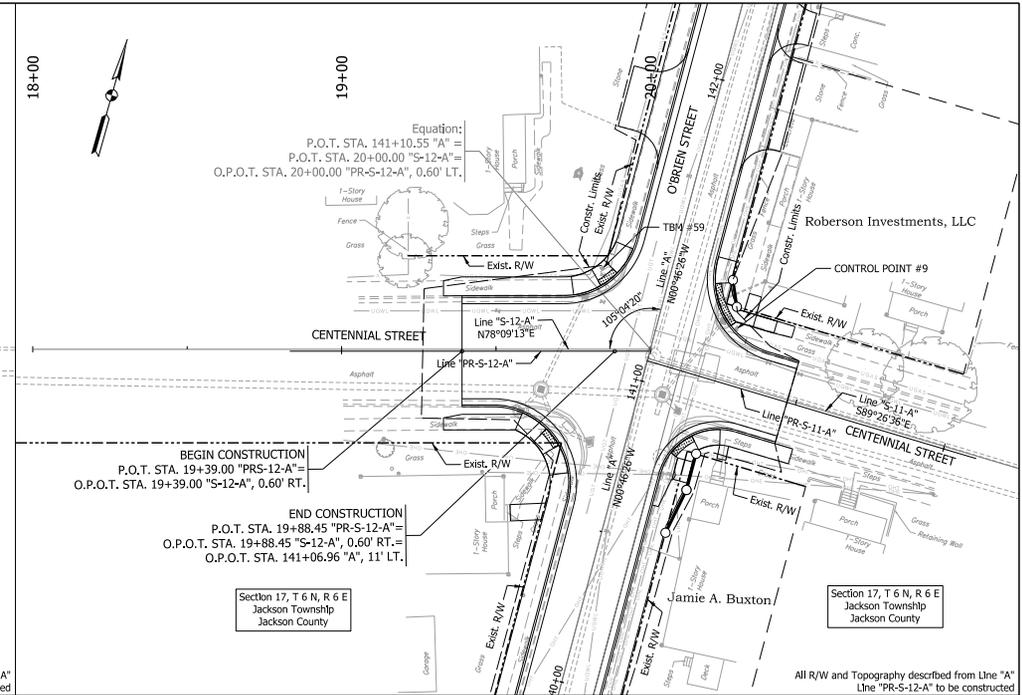
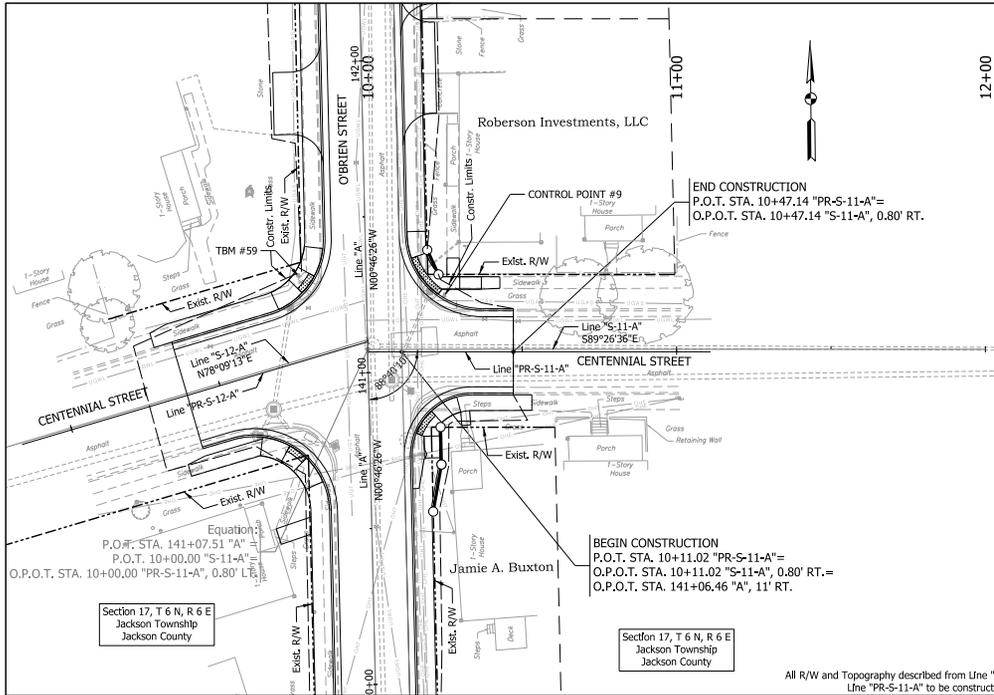


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JJV	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
Lines "S-4-A", "S-5-A" & "PR-S-5-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1902762
SURVEY BOOK	SHEETS
16	1 of 78
CONTRACT	PROJECT
R-42784	1902764





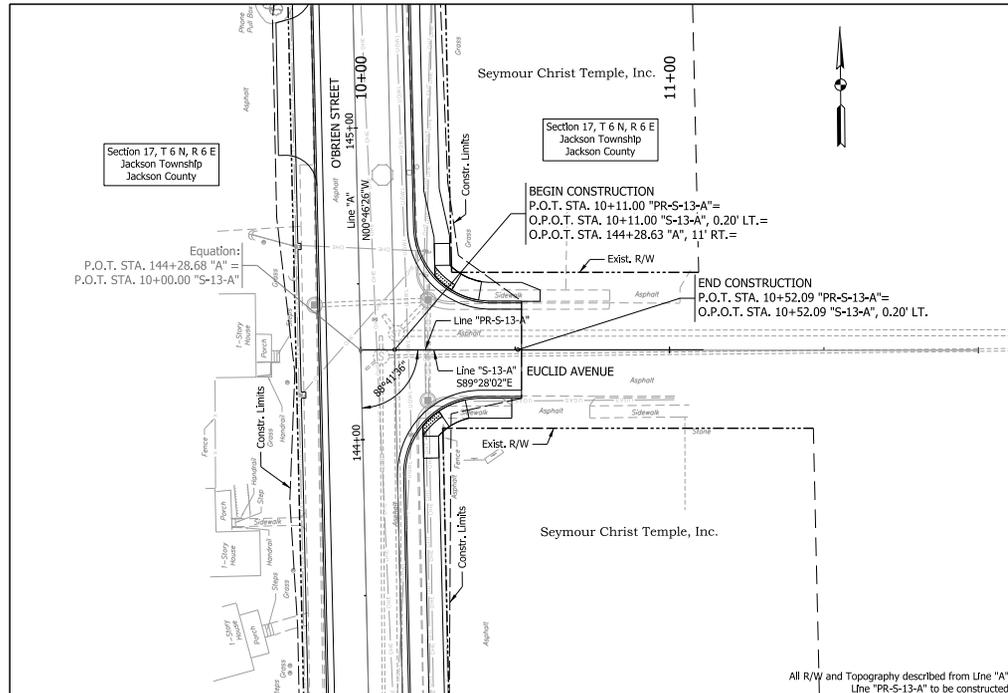
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CHECKED: BWC	CHECKED: JJV

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
Lines "S-11-A", "PR-S-11-A", "S-10-A", & "PR-S-11-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1902762
SURVEY BOOK	SHEETS
	20 of 78
CONTRACT	PROJECT
R-42784	1902764

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 2/16/2021
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 Mod: sheet 8



Section 17, T 6 N, R 6 E
Jackson Township
Jackson County

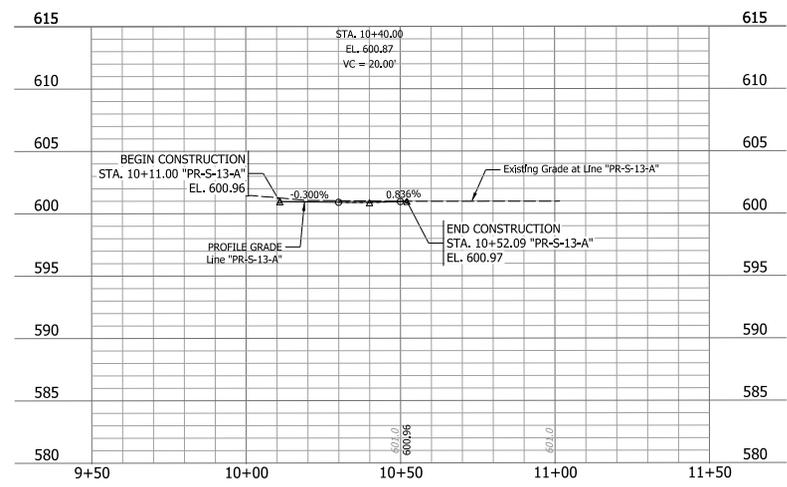
Section 17, T 6 N, R 6 E
Jackson Township
Jackson County

BEGIN CONSTRUCTION
P.O.T. STA. 10+11.00 "PR-S-13-A"
O.P.O.T. STA. 10+11.00 "S-13-A", 0.20' LT.=
O.P.O.T. STA. 144+28.63 "A", 11' RT. =

END CONSTRUCTION
P.O.T. STA. 10+52.09 "PR-S-13-A"
O.P.O.T. STA. 10+52.09 "S-13-A", 0.20' LT.

Equation:
P.O.T. STA. 144+28.63 "A"
P.O.T. STA. 10+00.00 "S-13-A"

All R/W and Topography described from Line "A"
Line "PR-S-13-A" to be constructed



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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BOA	DRAWN: KTH	
CHECKED: BWC	CHECKED: JJV	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
Lines "S-13-A" & "PR-S-13-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1902762
SURVEY BOOK	SHEETS
	21 of 78
CONTRACT	PROJECT
R-42784	1902764

Appendix C

Early Coordination

Item	Appendix Page
Early Coordination Example Letter	C1 to C2
Early Coordination Distribution List	C3
Notice of Survey Example Letter	C5
Response – USFWS	C6 to C8
Response – INDOT, Office of Aviation	C9 to C10
Response – IDNR	C11 to C12
Response – Indiana Geological Survey	C13 to C15
Response – NRCS	C16
USFWS Official Species List (IPaC)	C17 to C31
USFWS Consistency Letter	C32 to C39
INDOT Concurrence Email for No Effect	C40

February 1, 2021

Example ECL

Re: Early Coordination Letter, Des. No. 1902764 and 1902762, Road rehabilitation with the addition of a sidewalk on O'Brien Street from Village Circle Avenue to U.S. 50 and Des No 1902764; from U.S. 50 to 4th Street; Des. No. 1902762t, in Seymour, Jackson County Indiana

Dear

The City of Seymour, with federal funding, intends to proceed with a project involving Road rehabilitation with the addition of a sidewalk in Jackson County. This letter is part of the early coordination phase of the environmental review process. Therefore, we request comments from your area of expertise regarding any possible environmental effects associated with this project. **Please use the above designation numbers and description in your reply.** We will incorporate your comments into a study of the project's environmental impacts.

This Road Reconstruction with sidewalk project is located within the City of Seymour from Village Circle Avenue to U.S. 50 Des No 1902764; from U.S. 50 to 4th Street; Des. No. 1902762t, in Seymour, Jackson County, Indiana, excluding the intersections at U.S. 50 & O'Brien Street and 4th Street & O'Brien Street. The project is in Jackson County within the Indiana Department of Transportation's (INDOT's) Seymour District. The overall project length is about 5,476 linear feet or 1.04 miles.

The proposed project is anticipated to add travel lanes throughout the project limits to match the existing widened section to the south. Left and Right turn lanes will be added at the intersections as needed. In addition, a continuous sidewalk to the north and a 10 ft wide trail to the south will be added. Other minor elements may include crosswalks and signals. It is anticipated that no trees will be cleared as part of this project, consisting primarily of pine trees along Hillegas Road. The project is anticipated to begin construction in the Summer of 2024.

O'Brien Street is classified as an Urban Arterial throughout the project limits. Land use in the project corridor is predominantly residential and includes agricultural, commercial, industrial, and institutional (Seymour Middle School). Segment 2 is 100% residential, and Segment 3 is approximately 60% commercial and 40% residential. GAI Consultants will perform waters and wetlands determinations to identify water resources that may be present. The project is anticipated to qualify for the Range-wide Programmatic Agreement for the Indiana bat and northern long-eared bat by completing the Information for Planning and Consultation (IPaC). Coordination will occur with INDOT Cultural Resources Office (CRO) to evaluate the project area for archaeological and historic resources and Section 106 compliance. The results of this investigation will be forwarded to the State Historic Preservation Officer (SHPO) for review and concurrence as appropriate.

Please provide your response within thirty (30) calendar days from the date of this letter. However, should you find that an extension to the response time is necessary, a reasonable amount may be granted upon request. If you have any questions regarding this matter, don't hesitate to contact Raquel Walker, Environmental Specialist, at P 260-969-8800 or R.Walker@gaiconsultants.com. Thank you in advance for your input.

Sincerely,

Raquel Walker

Environmental Specialist

GAI Consultants, 9921 DuPont Circle Drive West, Suite 100, Fort Wayne, Indiana 46825

XXX/XXX

Attachment –

Maps/Graphics (Location, Aerial, Topographic)

list of early coordination recipients

The following agencies received Early Coordination Letters:

Indiana Department of Transportation

Office of Aviation

Room N955, IGC North

100 North Senate Avenue

Indianapolis, IN 46204

(Electronic Coordination)

Chief, Environmental Resources

Department of the Army

Louisville District, Corps of Engineers

Attn: CEPMP-P-E

P.O. Box 59

Louisville, KY 40201-0059

Field Environmental Officer

Chicago Regional Office

U.S. Department of Housing and Urban
Development

Metcalf Federal Building

77 West Jackson Boulevard, Room 2401

Chicago, IL 60604

(Electronic Coordination)

Regional Environmental Coordinator

Midwest Regional Office

National Park Service

601 Riverfront Drive

Omaha, NE 68102

Field Supervisor

U.S. Fish & Wildlife Service

Bloomington Field Office

620 South Walker St.

Bloomington, IN 47403

(Electronic Coordination)

State Conservationist

Natural Resources Conservation Service

6013 Lakeside Blvd.

Indianapolis, IN 46278

(Electronic Coordination)

Environmental Coordinator

Indiana Department of Natural Resources

Division of Fish and Wildlife

Room W273, IGC South

402 West Washington Street

Indianapolis, IN 46204-2641

(Electronic Coordination)

Indiana Geological Survey

611 North Walnut Grove

Bloomington, IN 47405

(Electronic Coordination)

Federal Highway Administration

Room 254, Federal Office Building

575 North Pennsylvania Street

Indianapolis, IN 46204

(Electronic Coordination)

Chief, Groundwater Section

Indiana Department of Environmental
Management

100 N. Senate Avenue

Indianapolis, IN 46204

INDOT – Office of Public Involvement

(Electronic Coordination)

Indiana Department of Environmental
Management

(Electronic Coordination)

Jackson County Commissioners

Historic Courthouse

111 S. Main St

.Brownstown, IN 47220

Jackson County Highway Supervisor

360 S. County Rd. 25 E.

Brownstown, IN 47220

Jackson County Surveyor

Historic Courthouse

111 S. Main St. Ste. 211

Brownstown, IN 47220

Jackson County Council

Historic Courthouse

111 S. Main St

.Brownstown, IN 47220



GAI Indiana offices located in:
Fishers, Fort Wayne, Indianapolis, and Vevay

September 14, 2022

GAI Project No. R200424.00

«Address_Name»
«Mailing_Address»
«Mailing_City»

**RE: O'Brien Street Roadway Rehabilitation
Jackson County, Indiana**

**Notice of Entry for Survey
Beginning January 4, 2021**

Dear Property Owner:

Our information indicates that you own or occupy property located near the above proposed transportation project. Representatives of GAI Consultants, Inc., or other consultants, will be conducting field and environmental surveys in the future. It may be necessary for them to enter onto your property to complete this work. This is permitted under Indiana Code § 8-23-7-26. Anyone performing this type of work has been instructed to identify himself or herself to you, if you are available, before they enter your property. If you no longer own this property or it is currently occupied by someone else, please provide us the name of the new owner or occupant and their contact information so we can contact them regarding the survey.

The field survey(s) may include but is/are not limited to topographic survey including the mapping of locations of features such as trees, buildings, fences and drives, and obtaining ground elevations and geotechnical investigation. The environmental survey(s) may include but is/are not limited to archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites), identification and mapping of wetlands and waterways, taking photographs of the area (which may include infrastructure, roads, residential properties, and commercial properties), a historical review of the properties within the vicinity of the proposed project area, evaluation of land use for completion of environmental documentation and various other environmental studies. The information we obtain from such surveys and studies is necessary for the proper planning and design of this project.

It is our sincere desire to cause you as little inconvenience as possible during these surveys. If problems arise, please contact me at B.Craig@gaiconsultants.com or 812.226.0951. However, please keep in mind that ***no specific information regarding this project is available at this time.*** Thank you in advance for your cooperation.

Sincerely,

GAI Consultants, Inc.

A handwritten signature in blue ink that reads "Brian Craig".

Brian Craig, PE
Project Manager

BC/vrh

Kenneth McMullen

From: McWilliams, Robin <robin_mcwilliams@fws.gov>
Sent: Monday, August 30, 2021 2:07 PM
To: Raquel Walker
Subject: Re: [EXTERNAL] Early Coordination Letter for Des No's. 1902762 & 1902764

Follow Up Flag: Follow up
Flag Status: Completed

EXERCISE CAUTION: This is an External Email Message!

Think before clicking on links, opening attachments, or responding

Dear Raquel,

This responds to your recent letter requesting our comments on the aforementioned project.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and are consistent with the intent of the National Environmental Policy Act of 1969, the Endangered Species Act of 1973, and the U. S. Fish and Wildlife Service's Mitigation Policy.

The project is within the range of the Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) and should follow the new Indiana bat/northern long-eared bat programmatic consultation process, if applicable (*i.e.* a federal transportation nexus is established). The Service has 14 days after a "Not Likely to Adversely Affect" determination letter is generated to review the project and provide additional comments or request additional information; if you do not receive a response from us within 14 days, we have no additional comments.

To protect the water quality of receiving streams in the project area, we recommend using pollutant-trapping technology such as storm drain inserts, etc. when new sidewalks and gutters/drains are installed. This will help to reduce the runoff of urban pollutants directly to the adjacent stream systems.

Wetland and stream impacts may require permits from the U.S. Army Corps of Engineers, the Indiana Department of Environmental Management's Water Quality Certification program, and the Indiana Department of Natural Resources. Wetland impacts should be avoided, and any unavoidable impacts should be compensated for in accordance with agency mitigation guidelines.

Based on a review of the information you provided, the U.S. Fish and Wildlife Service has no other comments on the project as currently proposed. However, should new information arise pertaining to project plans or a revised species list be published, it will be necessary for the Federal agency to reinitiate consultation. Standard recommendations are provided below.

We appreciate the opportunity to comment at this early stage of project planning. If you have any questions about our recommendations, please contact me at robin_mcwilliams@fws.gov or you may call 812-334-4261 x. 207.

Sincerely,
Robin McWilliams Munson

Standard Recommendations:

1. Do not clear trees or understory vegetation outside the construction zone boundaries. **(This restriction is not related to the “tree clearing” restriction for potential Indiana Bat habitat.)**
2. Restrict below low-water work in streams to placement of culverts, piers, pilings and/or footings, shaping of the spill slopes around the bridge abutments, and placement of riprap.
Culverts should span the active stream channel, should be either embedded or a 3-sided or open-arch culvert, and be installed where practicable on an essentially flat slope. When an open-bottom culvert or arch is used in a stream, which has a good natural bottom substrate, such as gravel, cobbles and boulders, the existing substrate should be left undisturbed beneath the culvert to provide natural habitat for the aquatic community.
3. Restrict channel work and vegetation clearing to the minimum necessary for installation of the stream crossing structure.
4. Minimize the extent of hard armor (riprap) in bank stabilization by using bioengineering techniques whenever possible. If riprap is utilized for bank stabilization, extend it below low-water elevation to provide aquatic habitat.
5. Implement temporary erosion and sediment control methods within areas of disturbed soil. All disturbed soil areas upon project completion will be vegetated following INDOT’s standard specifications.
6. Avoid all work within the inundated part of the stream channel (in perennial streams and larger intermittent streams) during the fish spawning season (April 1 through June 30), except for work within sealed structures such as caissons or cofferdams that were installed prior to the spawning season. No equipment shall be operated below Ordinary High-Water Mark during this time unless the machinery is within the caissons or on the cofferdams.
7. Evaluate wildlife crossings under bridge/culverts projects in appropriate situations. Suitable crossings include flat areas below bridge abutments with suitable ground cover, high water shelves in culverts, amphibian tunnels and diversion fencing

Robin McWilliams Munson
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
620 South Walker Street
Bloomington, IN 46142
812-334-4261

Mon-Tues 8-3:30p
Wed-Thurs 8:30-3p Telework

From: Raquel Walker <R.Walker@gaiconsultants.com>
Sent: Monday, August 30, 2021 12:58 PM
To: McWilliams, Robin <robin_mcwilliams@fws.gov>
Subject: [EXTERNAL] Early Coordination Letter for Des No’s. 1902762 & 1902764

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Hello,

I am contacting you today on behalf of the City of Seymour with information on a roadway reconstruction project that the City of Seymour, with funding from the Federal Highway Administration (FHWA) and oversight from the Indiana Department of Transportation (INDOT), are proposing in Jackson County, Indiana. Attached you will find an early coordination packet with details concerning the project.

If you have any questions or concerns with this project, please don't hesitate to contact me.

Thank you for your time,

Raquel Walker

Environmental Specialist

GAI Consultants, 9921 DuPont Circle Drive West, Suite 100, Fort Wayne, Indiana 46825

P 260-969-8800 **D** 260-240-4661 **M** 260-444-1307

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GAI Consultants

ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTING SINCE 1958

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Kenneth McMullen

From: Raquel Walker
Sent: Tuesday, August 31, 2021 3:07 PM
To: Brian Craig
Subject: FW: Early Coordination Letter for Des No's. 1902762 & 1902764

See INDOT Aviation response below. Just an FYI.

Raquel Walker
P 260-969-8800 D 260-240-4661



From: Courtade, Julian <JCourtade@indot.IN.gov>
Sent: Tuesday, August 31, 2021 3:01 PM
To: Raquel Walker <R.Walker@gaiconsultants.com>
Subject: RE: Early Coordination Letter for Des No's. 1902762 & 1902764

EXERCISE CAUTION: This is an External Email Message!

Think before clicking on links, opening attachments, or responding

Raquel –

After reviewing the Early Coordination Letter, I have determined that if any object, obstruction, or equipment will exceed 50 ft. in height, further coordination will be required with our office and the FAA. This is due to the close proximity of Seymour Airport and the need for any obstructions within 5 miles to meet a 100:1 glideslope to the nearest runway according to 14 CFR Part 77 standards. You can find these standards and information on filing at the website below:

<https://oiaa.faa.gov/oiaa/external/portal.jsp>

Please let me know if you have any questions!

Best,

Julian L. Courtade
Chief Airport Inspector
100 North Senate Ave, N758-MM
Indianapolis, IN 46204
Cell: (317) 954-7385
Email: jcourtade@indot.in.gov



From: Raquel Walker <R.Walker@gaiconsultants.com>
Sent: Monday, August 30, 2021 1:00 PM
To: Courtade, Julian <JCourtade@indot.IN.gov>
Subject: Early Coordination Letter for Des No's. 1902762 & 1902764

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Hi Julian,

I am contacting you today on behalf of the City of Seymour with information on a roadway reconstruction project that the City of Seymour, with funding from the Federal Highway Administration (FHWA) and oversight from the Indiana Department of Transportation (INDOT), are proposing in Jackson County, Indiana. Attached you will find an early coordination packet with details concerning the project.

If you have any questions or concerns with this project, please don't hesitate to contact me.

Thank you for your time,

Raquel Walker
Environmental Specialist

GAI Consultants, 9921 DuPont Circle Drive West, Suite 100, Fort Wayne, Indiana 46825
P 260-969-8800 **D** 260-240-4661 **M** 260-444-1307
[Facebook](#) | [LinkedIn](#) | [Twitter](#) | [YouTube](#) | [News & Insights](#)



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State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Fish and Wildlife
Early Coordination/Environmental Assessment

DNR #: ER-24017

Request Received: August 30, 2021

Requestor: GAI Consultants, Inc.
Raquel Walker
9921 Dupont Circle Drive West, Suite 100
Fort Wayne, IN 46825

Project: O'Brien Street roadway reconstruction from Village Circle Avenue to 4th Street, City of Seymour; Des #1902762 & 1902764

County/Site info: Jackson

The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.

If our agency has regulatory jurisdiction over the project, the recommendations contained in this letter may become requirements of any permit issued. If we do not have permitting authority, all recommendations are voluntary.

Regulatory Assessment: Formal approval by the Department of Natural Resources under the regulatory programs administered by the Division of Water is not required for this project.

Natural Heritage Database: The Natural Heritage Program's data have been checked. To date, no plant or animal species listed as state or federally threatened, endangered, or rare have been reported to occur in the project vicinity.

Fish & Wildlife Comments: We recommend a mitigation plan be developed for any unavoidable habitat impacts that will occur. The mitigation site should be located preferably as close to the impact site as possible and adjacent to existing forested riparian habitat. The DNR's Habitat Mitigation Guidelines (and plant lists) can be found online at: <http://iac.iga.in.gov/iac/20200527-IR-312200284NRA.xml.pdf>.

Impacts to non-wetland forest of one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area. Impacts to non-wetland forest under one (1) acre in an urban setting should be mitigated by planting five trees, at least 2 inches in diameter-at-breast height (dbh), for each tree which is removed that is 10" dbh or greater (5:1 mitigation based on the number of large trees) or by using the 1:1 replacement ratio based on area depending on the type of habitat impacted (individual canopy tree removal in an urban streetscape or park-like environment versus removal of habitat supporting a tree canopy, woody understory, and herbaceous layer). Impacts under 0.10 acre in an urban area may still involve the replacement of large diameter trees but typically do not require any additional mitigation or additional plantings beyond seeding and stabilizing disturbed areas. There are exceptions for high quality habitat sites however.

The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources:

1. Revegetate all bare and disturbed areas with a mixture of native grasses, sedges, wildflowers, and also native hardwood trees and shrubs if any woody plants are disturbed during construction as soon as possible upon completion. Do not use any varieties of Tall Fescue or other non-native plants, including prohibited invasive species (see 312 IAC 18-3-25).
2. Minimize and contain within the project limits all tree and brush clearing.

THIS IS NOT A PERMIT

State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Fish and Wildlife
Early Coordination/Environmental Assessment

3. Do not cut any trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 5 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30.
4. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.
5. Seed and protect all disturbed streambanks and slopes not protected by other methods that are 3:1 or steeper with erosion control blankets that are heavy-duty, biodegradable, and net free or that use loose-woven / Leno-woven netting to minimize the entrapment and snaring of small-bodied wildlife such as snakes and turtles (follow manufacturer's recommendations for selection and installation); seed and apply mulch on all other disturbed areas.

Contact Staff:

Christie L. Stanifer, Environ. Coordinator, Fish & Wildlife
Our agency appreciates this opportunity to be of service. Please contact the above staff member at (317) 232-4080 if we can be of further assistance.

Christie L. Stanifer

Christie L. Stanifer
Environ. Coordinator
Division of Fish and Wildlife

Date: September 29, 2021



Organization and Project Information

Project ID: R200424.02/03
Des. ID: 1902762 & 1902764
Project Title: O'Brien Street, from Village Circle Avenue to 4th Street
Name of Organization: GAI Consultants, Inc.
Requested by: Raquel Walker

Environmental Assessment Report

1. Geological Hazards:

- High liquefaction potential

2. Mineral Resources:

- Bedrock Resource: Moderate Potential
- Sand and Gravel Resource: Low Potential

3. Active or abandoned mineral resources extraction sites:

- Petroleum Exploration Wells

*All map layers from Indiana Map (maps.indiana.edu)

DISCLAIMER:

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This information was furnished by Indiana Geological Survey

Address: 420 N. Walnut St., Bloomington, IN 47404

Email: IGSEnvir@indiana.edu

Phone: 812 855-7428

Date: August 30, 2021

Metadata:

- https://maps.indiana.edu/metadata/Geology/Petroleum_Wells.html
- https://maps.indiana.edu/metadata/Geology/Seismic_Earthquake_Liquefaction_Potential.html
- https://maps.indiana.edu/metadata/Geology/Industrial_Minerals_Sand_Gravel_Resources.html
- https://maps.indiana.edu/metadata/Geology/Bedrock_Geology.html

September 15, 2021

Raquel Walker
GAI Consultants
Fort Wayne Office
9921 East Dupont Circle Drive, Suite 100
Fort Wayne, Indiana 46825

Dear Ms. Walker:

The proposed project to proceed with roadway reconstruction along O'Brien Street from Village Circle Avenue to 4th Street in Jackson County, Indiana, (Des No 1902762 and 1902764) as referred in your letter received on August 30, 2021, will not cause a conversion of prime farmland.

If you need additional information, please contact John Allen at 317-295-5859.

Sincerely,

RICHARD Digitally signed by
RICHARD NEILSON
NEILSON Date: 2021.09.16
06:59:37 -04'00'

RICK NEILSON
State Soil Scientist





United States Department of the Interior



FISH AND WILDLIFE SERVICE
Indiana Ecological Services Field Office
620 South Walker Street
Bloomington, IN 47403-2121
Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To:

September 09, 2022

Project Code: 2022-0049922

Project Name: O'Brien St from Village Circle Ave to US 50 Des 1902764; From U.S. 50 to 4th St Des.1902762

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - <http://www.fws.gov/midwest/endangered/section7/>

[s7process/index.html](#). This website contains step-by-step instructions which will help you determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process. For all **wind energy projects and projects that include installing towers that use guy wires or are over 200 feet in height**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of

Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List
- Migratory Birds
- Wetlands

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Indiana Ecological Services Field Office

620 South Walker Street
Bloomington, IN 47403-2121
(812) 334-4261

Project Summary

Project Code: 2022-0049922
 Project Name: O'Brien St from Village Circle Ave to US 50 Des 1902764; From U.S. 50 to 4th St Des.1902762
 Project Type: Road/Hwy - Maintenance/Modification
 Project Description: Location

This Road Reconstruction with sidewalk project is located within the City of Seymour from Village Circle Avenue to US 50 (Des. No. 1902764); from U.S. 50 to 4th Street; Des. No. 1902762t, in Seymour, Jackson County Indiana, excluding the intersections at U.S. 50 & O'Brien Street and 4th Street & O'Brien Street. The project is located in Jackson County within the Indiana Department of Transportation's (INDOT's) Seymour District. The overall project length is about 5,476 linear feet or 1.04 miles. Specifically, the project is located in Sections 17 & 20 of Township 6 North, Range 6 East, as shown on the Seymour USGS 7.5 Minute Topographic Map.

Scope of work

- No suitable summer habitat is located within or adjacent to the project, the project exists mainly in residential areas in the city of Seymour. Construction will be carried out during the active season for bats. Dominant species of trees include ornamental varieties; Maple, Pear, redbud, etc.
 - o Tree clearing will be minimized and will include individual trees adjacent to the roadway, it is anticipated that less the 1 acre of trees will be cleared. The project does not require tree clearing beyond 100ft from the existing roadway. Tree clearing will be conducted during the inactive season.
- The results of the INDOT 0.5-mile bat review by the INDOT District Environmental indicated that no records of captures, roosts, maternity colonies, and hibernacula within the 0.5-mile radius. This review was completed by INDOT on 8/27/2021.
- No structures will be removed as part of this rehabilitation.
- The estimated timing of construction begins April 1, 2025.
- Temporary lighting may be needed. Permanent Lighting will be replaced where existing, and no new lighting is proposed.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.954264699999996,-85.8811746572564,14z>



Counties: Jackson County, Indiana

Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Incidental take of the NLEB is not prohibited here. Federal agencies may consult using the 4(d) rule streamlined process. Transportation projects may consult using the programmatic process. See www.fws.gov/midwest/endangered/mammals/nleb/index.html Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\) list](#) or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25

NAME	BREEDING SEASON
Field Sparrow <i>Spizella pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 1 to Aug 15
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12

(0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

- The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (-)

A week is marked as having no data if there were no survey events for that week.

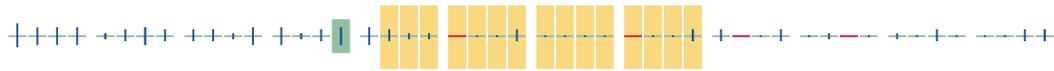
Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



BCC Rangewide
(CON)

Wood Thrush
BCC Rangewide
(CON)



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPaC User Contact Information

Agency: Indiana Department of Transportation
Name: Kenneth McMullen
Address: 9998 Crosspoint Blvd, Suite 110
City: Indianapolis
State: IN
Zip: 46256
Email: k.mcmullen@gaiconsultants.com
Phone: 3174364849

Lead Agency Contact Information

Lead Agency: Federal Highway Administration



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Indiana Ecological Services Field Office
620 South Walker Street
Bloomington, IN 47403-2121
Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To:

September 09, 2022

Project code: 2022-0049922

Project Name: O'Brien St from Village Circle Ave to US 50 Des 1902764; From U.S. 50 to 4th St Des.1902762

Subject: Consistency letter for the 'O'Brien St from Village Circle Ave to US 50 Des 1902764; From U.S. 50 to 4th St Des.1902762' project under the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated September 09, 2022 to verify that the **O'Brien St from Village Circle Ave to US 50 Des 1902764; From U.S. 50 to 4th St Des.1902762** (Proposed Action) may rely on the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action will have no effect on the endangered Indiana bat (*Myotis sodalis*) or the threatened Northern long-eared bat (*Myotis septentrionalis*). If the Proposed Action is not modified, **no consultation is required for these two species**. If the Proposed Action is modified, or new information reveals that it may affect the Indiana bat and/or Northern long-eared bat in a manner or to an extent not considered in the PBO, further review to conclude the requirements of ESA Section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities: If your initial bridge/culvert or structure assessments failed to detect Indiana bats, but you later detect bats prior to, or during construction, please submit the Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form (User Guide Appendix E) to this Service Office within 2 working days of the incident. In these instances, potential incidental take of Indiana bats may be exempted provided that the take is reported to the Service.

If the Proposed Action may affect any other federally-listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency accordingly.

The following species may occur in your project area and **are not** covered by this determination:

- Monarch Butterfly *Danaus plexippus* Candidate

Project Description

The following project name and description was collected in IPaC as part of the endangered species review process.

Name

O'Brien St from Village Circle Ave to US 50 Des 1902764; From U.S. 50 to 4th St Des. 1902762

Description

Location

This Road Reconstruction with sidewalk project is located within the City of Seymour from Village Circle Avenue to US 50 (Des. No. 1902764); from U.S. 50 to 4th Street; Des. No. 1902762t, in Seymour, Jackson County Indiana, excluding the intersections at U.S. 50 & O'Brien Street and 4th Street & O'Brien Street. The project is located in Jackson County within the Indiana Department of Transportation's (INDOT's) Seymour District. The overall project length is about 5,476 linear feet or 1.04 miles. Specifically, the project is located in Sections 17 & 20 of Township 6 North, Range 6 East, as shown on the Seymour USGS 7.5 Minute Topographic Map.

Scope of work

- No suitable summer habitat is located within or adjacent to the project, the project exists mainly in residential areas in the city of Seymour. Construction will be carried out during the active season for bats. Dominant species of trees include ornamental varieties; Maple, Pear, redbud, etc.
 - o Tree clearing will be minimized and will include individual trees adjacent to the roadway, it is anticipated that less the 1 acre of trees will be cleared. The project does not require tree clearing beyond 100ft from the existing roadway. Tree clearing will be conducted during the inactive season.
- The results of the INDOT 0.5-mile bat review by the INDOT District Environmental indicated that no records of captures, roosts, maternity colonies, and hibernacula within the 0.5-mile radius. This review was completed by INDOT on 8/27/2021.
- No structures will be removed as part of this rehabilitation.
- The estimated timing of construction begins April 1, 2025.
- Temporary lighting may be needed. Permanent Lighting will be replaced where existing, and no new lighting is proposed.

Determination Key Result

Based on the information you provided, you have determined that the Proposed Action will have no effect on the endangered Indiana bat and/or the threatened Northern long-eared bat. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for these two species.

Qualification Interview

1. Is the project within the range of the Indiana bat^[1]?

[1] See [Indiana bat species profile](#)

Automatically answered

Yes

2. Is the project within the range of the Northern long-eared bat^[1]?

[1] See [Northern long-eared bat species profile](#)

Automatically answered

Yes

3. Which Federal Agency is the lead for the action?

A) *Federal Highway Administration (FHWA)*

4. Are *all* project activities limited to non-construction^[1] activities only? (examples of non-construction activities include: bridge/abandoned structure assessments, surveys, planning and technical studies, property inspections, and property sales)

[1] Construction refers to activities involving ground disturbance, percussive noise, and/or lighting.

No

5. Does the project include *any* activities that are **greater than** 300 feet from existing road/rail surfaces^[1]?

[1] Road surface is defined as the actively used [e.g. motorized vehicles] driving surface and shoulders [may be pavement, gravel, etc.] and rail surface is defined as the edge of the actively used rail ballast.

No

6. Does the project include *any* activities **within** 0.5 miles of a known Indiana bat and/or NLEB hibernaculum^[1]?

[1] For the purpose of this consultation, a hibernaculum is a site, most often a cave or mine, where bats hibernate during the winter (see suitable habitat), but could also include bridges and structures if bats are found to be hibernating there during the winter.

No

7. Is the project located **within** a karst area?

No

8. Is there *any* suitable^[1] summer habitat for Indiana Bat or NLEB **within** the project action area^[2]? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

[2] The action area is defined as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 CFR Section 402.02). Further clarification is provided by the [User's Guide for the Range-wide Programmatic Consultation for Indiana Bat and Northern Long-eared Bat](#).

No

9. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?

No

10. Does the project include slash pile burning?

No

11. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)?

No

12. Does the project include the removal, replacement, and/or maintenance of *any* structure other than a bridge? (e.g., rest areas, offices, sheds, outbuildings, barns, parking garages, etc.)

No

13. Will the project involve the use of **temporary** lighting *during* the active season?

Yes

14. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **temporary** lighting will be used?

No

15. Will the project install new or replace existing **permanent** lighting?

Yes

16. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **permanent** lighting will be installed or replaced?

No

17. Does the project include percussives or other activities (**not including tree removal/trimming or bridge/structure work**) that will increase noise levels above existing traffic/background levels?

No

18. Are *all* project activities that are **not associated with** habitat removal, tree removal/trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives, limited to actions that DO NOT cause any additional stressors to the bat species?

Examples: lining roadways, unlighted signage , rail road crossing signals, signal lighting, and minor road repair such as asphalt fill of potholes, etc.

Yes

19. Will the project raise the road profile **above the tree canopy**?

No

20. Is the location of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the project action area is not within suitable Indiana bat and/or NLEB summer habitat and is outside of 0.5 miles of a hibernaculum.

21. Is the temporary lighting portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the lighting will be more than 1,000 feet from the nearest suitable habitat

22. Is the permanent lighting portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the lighting will be more than 1,000 feet from the nearest suitable habitat

Determination Key Description: FHWA, FRA, FTA Programmatic Consultation For Transportation Projects Affecting NLEB Or Indiana Bat

This key was last updated in IPaC on April 28, 2022. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the threatened **Northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should only be used to verify project applicability with the Service's [February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects](#). The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

IPaC User Contact Information

Agency: Indiana Department of Transportation
Name: Kenneth McMullen
Address: 9998 Crosspoint Blvd, Suite 110
City: Indianapolis
State: IN
Zip: 46256
Email: k.mcmullen@gaiconsultants.com
Phone: 3174364849

Lead Agency Contact Information

Lead Agency: Federal Highway Administration

Kenneth McMullen

From: Schwering, Taylor <TSchwering@indot.IN.gov>
Sent: Wednesday, November 30, 2022 9:19 AM
To: Kenneth McMullen
Cc: Dye, David; Carleton, Erin
Subject: RE: 1902762 and 1902762 No Effect IPaC determination

EXERCISE CAUTION: This is an External Email Message!

Think before clicking on links, opening attachments, or responding

Hi Kenneth,

We have reviewed the USFWS IPaC for Des. 1902762 & 1902764 and concur with the “no effect” finding.

Taylor Schwering

Environmental Manager

185 Agrico Lane

Seymour, IN 47274

Office: (812) 524-3794

Email: tschwering@indot.in.gov



From: Kenneth McMullen <K.McMullen@gaiconsultants.com>
Sent: Tuesday, November 22, 2022 2:30 PM
To: Schwering, Taylor <TSchwering@indot.IN.gov>
Subject: 1902762 and 1902762 No Effect IPaC determination

****** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ******

Taylor,

Please find attached the information for your review and concurrence with the USFWS IPaC for these projects. I apologize that I did not send these to you before now.

Kenneth B. McMullen, MELP, CHMM

Environmental Manager

GAI Consultants, 9998 Crosspoint Blvd, Suite 110, Indianapolis, IN 46256

T 317.436.9150 **D** 317.436.4849 **M** 765.427.6521

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Appendix D

Section 106 Consultation

Item	Appendix Page
MPPA	D1 to D8

Minor Projects PA Project Submittal and Assessment Form

SECTION 1

Submittal of this form is only required for projects where Category B applies. Projects qualifying under Category A do not require submittal of this form. SECTION 2 (for Conditions of Category B.1 for curb/sidewalk) or SECTION 3 (for Conditions of Category B.9 for drainage structures) may be required as determined by INDOT-Cultural Resources Office (INDOT-CRO) review. INDOT-CRO will notify applicant if the Minor Projects PA does not apply.

Part 1: Project Information-Completed by Applicant (Consultant/PM/Project Sponsor/INDOT District Staff)*

**A qualified professional historian (QP) is not required to complete Part I INDOT-Cultural Resources Office (INDOT-CRO) staff will be responsible for completion of Part II.*

Original Submission Date: June 17, 2022

Amended Submission Date*:

**Consult with INDOT-CRO to determine whether an amendment is required. For revisions/updates to original form, please detail in applicable sections below. Please use red font to distinguish the revisions/updates.*

Submitted By (Provide Name and Firm/Organization):

Linda Weintraut, Ph.D.
Weintraut & Associates, Inc.
PO Box 5034
Zionsville, IN 46077
Linda@weintrautinc.com
317-733-9770

Project Designation Number: 1902762 & 1902764

Route Number: O'Brien Street

Feature crossed (if applicable):

City/Township: Seymour, Jackson Township **County:** Jackson County

Project Description*: O'Brien St Reconstruction: Road Reconstruction (3R/4R Standards),

**Provide a full project description—include the same level of specificity and detail as expected in the NEPA document—in order to ensure a timely review by INDOT-CRO staff. For bridge and culvert projects, include specific details on the rehab or replacement including potential changes to width, height and materials. Be sure to include the specific elements listed below as applicable.*

The City of Seymour, with funding from the Federal Highway Administration (FHWA), and oversight from the Indiana Department of Transportation (INDOT), intends to proceed with a roadway reconstruction project located in the City of Seymour, Jackson County, Indiana. This project is located on O'Brien Street from Village Circle Avenue to south of U.S. 50 (Des. No.: 1902764), and from north of U.S. 50 to 4th Street (Des. No.: 1902762). Specifically, this project is located in Sections 17 and 20 of Township 6 North, Range 6 East as shown on the Seymour USGS 7.5 Minute Topographic Map.

The need for this project is due to the lack of continuous pedestrian facilities along the roadway, the pavement age and condition, and inadequate drainage throughout the project limits. The purpose of this project is to provide continuous pedestrian facilities, improve the roadway pavement, and improve drainage conditions along O'Brien Street within the project corridor.

Minor Projects PA Project Submittal and Assessment Form

The proposed project will include a roadway reconstruction with combined curb and gutter on O'Brien Street. The scope of work for the project will also include reconstructing existing sidewalk and constructing new sidewalk along both sides of the street, providing improved storm sewers, and installing lighting. It is anticipated that all intersecting public road, alley, and drive approaches will be reconstructed to the extent necessary to provide adequate radii and tie into the new O'Brien Street edge of pavement. Tree clearing (approximately 0.90 acre) may be required to complete this project. Apparent existing right-of-way varies between 0 and 70 feet throughout the project limits.

It is estimated that 2.87 acres of permanent right-of-way and 0.81 acres of temporary right-of-way will be required to complete this project. The Maintenance of Traffic for this project will include separate closures of O'Brien Street from Village Circle Avenue to south of U.S. 50, and from north of U.S. 50 to 4th Street. US 50 will not be closed in either phase, and through traffic in each phase will be detoured to use Burkart Boulevard. Residents would be detoured to nearby local streets to park; however, access will be maintained to each residence that cannot be accessed from a cross street. This project is anticipated to begin construction in the Spring of 2025.

Note: W&A historians prepared a Section 2 Document for this project due to the presence of the Notable-rated McDonald House (IHSSI No.: 071-581-34094) adjacent to the project area for this undertaking. It is being attached with this form. While conducting fieldwork for the Section 2 documentation, W&A surveyed elements of the Polley Subdivision, which is located adjacent to the project location, because the neighborhood was partially constructed within the period covered by the "Residential Planning and Development in Indiana" Multiple Properties Documentation Form (MPDF) and warranted some additional research. W&A produced a short memorandum analyzing the subdivision under the MPDF and provided photographs of select resources and is attaching it to this form (see attached Polley Subdivision Memorandum and photographs).

In an email to INDOT-CRO on 8/3/2022, W&A provided the following scope clarifications:

- Lighting was originally desired by the City, however it was not included in the funding and therefore was not part of our project scope. Therefore, there will be no new lighting. The existing lighting is attached to power poles throughout the project. Most power poles on the east side will remain in place, and the lights on those poles will remain unchanged. For lights on poles that will be relocated, the existing lights will be relocated to the relocated poles.
- There are no existing turn lanes on O'Brien Street in either project and no turn lanes will be added. The project description from our June submission is accurate.
- Existing storm sewers exist in isolated locations along O'Brien Street, but not all the way through either project. New storm sewer will include curb inlets all the way through both projects, which will outfall to existing storm systems.

If the project includes any curb, curb ramp, or sidewalk work, please specify the location(s) of such work:

The scope of work for the project will also include new curb and gutter, reconstructing existing sidewalk and constructing new sidewalk and curb ramps along both sides of the street, providing improved storm sewers, and installing lighting (see location details below).

- Along the west side of O'Brien Street, the sidewalk will be six feet wide adjacent to the back of the curb (no buffer) throughout the project areas.
- Along the east side of O'Brien Street, the sidewalk is generally five feet wide, separated by a five foot-wide grass buffer to avoid steel transmission poles owned by Duke Energy. However, this sidewalk will be six feet wide adjacent to the back of the curb (no grass buffer) in isolated areas where necessary to avoid significant impacts to residences.
- ADA-compliant curb ramps with detectable warning surfaces will be constructed on each side of each street crossing, and the appropriate sidewalk transitions will be used at each driveway crossing.

Minor Projects PA Project Submittal and Assessment Form

For bridge or small structure projects, please list feature crossed, structure number, NBI number, and structure type: None

For bridge projects, is the bridge included in INDOT's Historic Bridge Inventory (<https://www.in.gov/indot/2531.htm>)?

Yes No

If yes, did the inventory determine the bridge eligible for or listed in the National Register of Historic Places? Please provide page # of entry in Historic Bridge Inventory.

Yes No

Inventory Page # _____

Will there be right-of-way acquisition as part of this project?

Yes No

If yes was checked above, please check all that apply:

Permanent Temporary Reacquisition

If applicable, identify right-of-way acquisition locations in text below and in attached mapping. Please specify how much (both temporary and permanent) and indicate what activities are included in the proposed right-of-way:

It is estimated that the project will require 2.87 acres of permanent right-of-way for the reconstruction of the roadway with curb and gutter and the installation of sidewalks and 0.81 acre of temporary right-of-way for grading and driveway approach work. (The locations of the ROW takes are provided on the attached plan sheets.)

Is there any potential for additional temporary right-of-way to be needed later for purposes such as access, staging, etc.?

Yes No

Archaeology (check one):

All proposed activities are presumed to occur in previously disturbed soils*

**INDOT-CRO will notify you if project area includes undisturbed soils and requires an archaeological reconnaissance.*

Project takes place in undisturbed soils and the archaeology report is included in submission or will be forthcoming*

** If an archaeology report is required, the Minor Projects PA Form will not be finalized until the report is reviewed and approved by INDOT-CRO. For INDOT-sponsored projects, INDOT-CRO may be able to complete the archaeological investigation. If you would like to request that INDOT-CRO complete an archaeological investigation, please contact the INDOT-CRO archaeology team lead. See CRM Pt. 1 Ch. 3 for current contact information.*

Please specify all applicable categories and condition(s) (highlight applicable conditions in yellow)*:

**Include full category text, including any conditions. INDOT-CRO will finalize categories upon their review.*

B-1. Replacement, repair, or installation of curbs, curb ramps, or sidewalks, including when such projects are associated with roadway work such as surface replacement, reconstruction, rehabilitation, or resurfacing projects, including overlays, shoulder treatments, pavement repair, seal coating, pavement grinding, and pavement marking, under the following conditions [**BOTH Condition A, which pertains to Archaeological Resources, and Condition B, which pertains to Above-Ground Resources, must be satisfied**]:

Minor Projects PA Project Submittal and Assessment Form

Condition A (Archaeological Resources)

One of the two conditions listed below must be satisfied (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work occurs in previously disturbed soils; *OR*
- ii. Work occurs in undisturbed soils and an archaeological investigation conducted by the applicant and reviewed by INDOT Cultural Resources Office determines that no National Register-listed or potentially National Register-eligible archaeological resources are present within the project area. If the archaeological investigation locates National Register-listed or potentially National Register-eligible archaeological resources, then full Section 106 review will be required. Copies of any archaeological reports prepared for the project will be provided to the Division of Historic Preservation and Archaeology (DHPA) and any archaeological site form information will be entered directly into the State Historic Architectural and Archaeological Database (SHAARD) by the applicant. The archaeological reports will also be available for viewing (by Tribes only) on INSCOPE.

Condition B (Above-Ground Resources)

One of the two conditions listed below must be satisfied (*EITHER Condition i or Condition ii must be satisfied*):

- i. Work does not occur adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *OR*
- ii. Work occurs adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource under one of the two additional conditions listed below (*EITHER Condition a OR Condition b must be met and field work and documentation must be completed as described below*):
 - a. No unusual features, including but not limited to historic brick or stone sidewalks, curbs or curb ramps, stepped or elevated sidewalks and historic brick or stone retaining walls are present in the project area adjacent to or within a National Register-listed or National Register-eligible district or individual above-ground resource; *OR*
 - b. Unusual features, including but not limited to historic brick or stone sidewalks, curbs or curb ramps, stepped or elevated sidewalks and historic brick or stone retaining walls are present in the project area adjacent to or within a National Register-listed or National Register-eligible individual above-ground resource or district and ANY ONE of the conditions (1, 2, or 3) listed below must be fulfilled:
 1. Unusual features described above will not be impacted by the project. Firm commitments regarding the avoidance of these features must be listed in the MPPA determination form and the NEPA document and must be entered into the INDOT Project Commitments Database. These projects will also be flagged for quality assurance reviews by INDOT Cultural Resources Office during/after project construction.
 2. Unusual features described above have been determined not to contribute to the significance of the historic resource by INDOT Cultural Resources Office in consultation with the SHPO based on an analysis and justification prepared by their staff or review of such information from other qualified professional historians.
 3. Impacts to unusual features described above have been determined by INDOT Cultural Resources Office to be so minimal that they do not diminish any of the characteristics that contribute to the significance of the historic resource, based on an analysis and justification prepared by their staff or review of such information from other qualified professional historians.

Check if SECTION 2: Minor Projects PA Category B-1, Condition B-ii Submission is included

Check if SECTION 3: Minor Projects PA Category B-9, Condition B-i-c-2 or B-ii-b-3 Submission is included

Minor Projects PA Project Submittal and Assessment Form

Part II: Completed by INDOT-CRO

Amendments will be shown in red font.

Information reviewed (please check all that apply):

- General project location map USGS map Aerial photograph Soil survey data
General project area photos Archaeology Reports Historic Property Reports
Indiana Historic Buildings, Bridges, and Cemeteries Map/Interim Report
Bridge inspection information/BIAS Historic Bridge Inventory Database
SHAARD SHAARD GIS Streetview Imagery County GIS Data/Property Cards

Other (please specify): Project information provided by GAI Consultants, Inc. dated 1/12/2022, and updated on 6/17/2022 by W&A (on file at INDOT-CRO; no MPPA form was created from 1/12/2022 submittal). Follow-up emails from W&A on 8/3/2022 and GAI on 9/6/2022. Section 106 documentation for Des. No. 1703015.

Are there any commitments associated with this project? If yes, please explain and include in the Additional Comments Section below. yes no

Does the project result in a de minimis impact to a Section 4(f) protected historic resource? If yes, please explain in the Additional Comments Section below. yes no

Additional Comments:

Above-ground Resources

An INDOT Cultural Resources Office (CRO) architectural historian who meets the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61 performed a desktop review, checking the Indiana Register of Historic Sites and Structures (State Register) and National Register of Historic Places (National Register) lists for Jackson County. No listed resources are located near or within the project area.

The Indiana Historic Sites and Structures Inventory (IHSSI) and National Register information for Jackson County are available in the Indiana State Historic Architectural and Archaeological Research Database (SHAARD) and the Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBCM). All sites were reviewed through the IHBBCM, which contains the most recently updated SHAARD information. No IHSSI properties are adjacent the project area for Des. No. 1902762. The following IHSSI resources are located adjacent to the project area for Des. No. 1902764:

- 071-581-34093, Pyramidal Cottage, 313 South Park Street, "contributing"
- 071-581-34094, McDonald House, 419 South O'Brien Street, "notable" (current address is 435 S O'Brien St)
- 071-581-34142, Gable front & wing, 638 South O'Brien Street, "contributing"

According to the IHSSI rating system, generally properties rated "contributing" do not possess the level of historical or architectural significance necessary to be considered individually National Register eligible, although they would contribute to a historic district. If they retain material integrity, properties rated "notable" might possess the necessary level of significance after further research. Properties rated "outstanding" usually possess the necessary level of significance to be considered National Register eligible if they retain material integrity. Historic districts identified in the IHSSI are usually considered eligible for the National Register.

Minor Projects PA Project Submittal and Assessment Form

The historian reviewed the Section 106 documentation for Des. No. 1703015, an intersection improvement project at O'Brien St. and 4th St., the APE for which overlaps with the northern end of the project area for Des. No. 1902762. That area of potential effects (APE) for Des. No. 1703015 contained no properties listed in or recommended eligible for the National Register.

For this current MPPA submission, W&A prepared a short memorandum analyzing the Polley Subdivision under the "Residential Planning and Development in Indiana" Multiple Properties Documentation Form (MPDF) and provided photographs of select resources. This subdivision consists of two sections along the east side of O'Brien Street partially in the project area for Des. No. 1902764. The northern section is along Springer Rd. and Holiday Dr. while the south section is along Polley Dr. and Ash St. W&A considered the Polley Subdivision as one potential historic district in their National Register eligibility evaluation because both sections were platted together in 1969 and because both sections share a common historic context, similar physical characteristics, and a single developer. W&A determined that only fifty-five (55) percent of the houses in the subdivision were fully realized by 1973, the 50-year mark from the project's proposed letting in 2023. Under the eligibility guidance provided in the MPDF, W&A does not recommend the houses within the Polley Subdivision as a National Register eligible historic district. W&A recommended that the neighborhood should be re-evaluated in the future when a larger majority of its resources reach fifty years of age or older. Based on the information provided, CRO agrees with this assessment.

Per Condition B-ii.b-1 of Category B-1, W&A conducted field work at the McDonald House to determine the presence of any unusual features such as brick or stone sidewalks, curbs or sidewalks/curb ramps; stepped or elevated sidewalks, curbs or sidewalks/curb ramps; or any other feature whose replacement or modification might constitute an adverse effect. Photographic documentation from the field work is on file at INDOT-CRO. Right-of-way (ROW) will be acquired along the front of the McDonald property for new sidewalk installation (no sidewalk currently exists here). There is a chain link fence along the property, which presumably will be removed for the project because it is within the new ROW line. It does not appear to contribute to the property. W&A documented a herringbone brick sidewalk that comes from the house out to near the road. It appears a portion of it will be in the ROW acquired for the project. The designers have indicated they can avoid the brick sidewalk. The plans have a "do not disturb" note for the sidewalk. The fence turns back toward this brick sidewalk with two gates that do not appear contributing to the house. Historic street level images found online show that the gates were not there in 2007 - the fence went straight along the property at that time. Then between 2007-2013, the fence turned back toward the house and gates were added. The designers stated that ideally the project would connect the new sidewalk along O'Brien Street to the McDonald House's herringbone brick walk via a short section of concrete walk (without disturbing the bricks of the walk).

CRO staff consulted with SHPO staff regarding the applicability of the project under the MPPA with a new sidewalk being installed in front of the McDonald House. The SHPO staff stated they have concerns with these types of projects when the new elements (curb, gutter, and sidewalk) would change the character or setting of a property that was originally rural and presumably agricultural originally. Curb, gutter and sidewalk are "city" features, not typically associated with a rural home outside of town. In this instance, however, the house is set back from the street significantly (approximately 150 ft.), the chain link fence is a newer feature, and the overall area appears to have a lot of modern intrusions and development, such as very large steel transmission poles installed by Duke Energy along the east side of O'Brien St. Therefore, the SHPO staff and CRO staff agreed that it does not appear the sidewalk installation (including a short section of concrete walk from the new sidewalk to the brick sidewalk) would greatly detract from the character or setting of the overall property, given the current context and modern features near the street.

A total of 0.108 acre (4,701.29 sq. ft.) of permanent ROW and 0.002 acre (101.55 sq. ft.) of temporary ROW will be acquired from 435 S O'Brien St. (McDonald House; IHSSI #071-581-34094) The area to be acquired as permanent ROW consists of a grassy strip containing a chain link fence across the front of the property. It is needed for new sidewalk installation. The area to be acquired as temporary ROW contains a gravel driveway. It is needed for drive constriction and grading. For the purposes of this determination, INDOT and FHWA consider that the

Minor Projects PA Project Submittal and Assessment Form

taking of the minimal amount of permanent (0.108 acre) and temporary (0.002) ROW from IHSSI #071-581-34094 constitutes a *de minimis* 4(f) use of the resource.

The following commitment must be made in order for Condition B-ii. b-1 to apply to this project:

The brick sidewalk in front of 435 S O'Brien St. shall be avoided by construction activities (this property recorded in the IHSSI as the McDonald House; IHSSI #071-581-34094). A note has been added to the plan sheets to avoid this feature.

This commitment will be included in the environmental documentation for this project and entered into INDOT's Project Commitment Database. If the commitment cannot be maintained, INDOT-CRO will need to reassess this project.

Based on the available information, as summarized above, no above-ground concerns exist as long as the project scope does not change.

Archaeological Resources

An INDOT Cultural Resources Office (CRO) archaeologist, who meets the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61, reviewed the MPPA request submitted by GAI Consultants, Inc. dated 1/12/2022 and updated on 6/17/2022 and conducted a desktop review of the project area and completed an archaeological assessment. According to SHAARD GIS, there are no archaeological sites located within or adjacent to the project area.

With regard to archaeological resources, the proposed project is limited to reconstructing the pavement, updating lighting, updating sidewalk, installing new sidewalk and curb ramps, as well as updating curb, gutter, storm sewer and drainage infrastructure within the project limits. All work will occur within the existing right of way which consists of the O'Brien Street roadway, turn lanes, sidewalk, curb, curb ramps, storm sewers, lights, signs, signals, and utilities and is completely disturbed. The curb, curb ramps and sidewalk to be installed/updated have been improved in the recent past and any excavation to replace these features will not extend deeper than previous construction disturbance. The project area is in soils classified as Urban Land due to the high density of streets, sidewalks, and paved areas in downtown Seymour. Although right of way is being required for this project it is located within previously disturbed soils. Based on these considerations, there are no archaeological concerns.

Accidental Discovery: If any archaeological artifacts or human remains are uncovered during construction, demolition, or earth moving activities, construction within 100 feet of the discovery will be stopped, and INDOT-CRO and the Division of Natural Resources-Division of Historic Preservation and Archaeology (DNR-DHPA) will be notified immediately.

INDOT-CRO staff reviewer(s): Patricia Jo Korzeniewski and Mary Kennedy

INDOT Approval Date: 9/8/2022

Amendment Approval Date (if applicable):

****Be sure to attach this form to the National Environmental Policy Act documentation for this project. Also, the NEPA documentation shall reference and include the description of the specific stipulation in the PA that qualifies the project as exempt from further Section 106 review.*

Minor Projects PA Project Submittal and Assessment Form

Please attach the following to this form:

- **General Location Map.** This map should allow the INDOT-CRO reviewer to quickly locate the project.
- **Aerial photography map(s) of project area.** This map must include project limits. It may also include SHAARD data, but SHAARD data is not required.
- **If bridge or small structure project, please attach photographs of bridge or small structure.** Photographs can be found in inspection reports located in INDOT's Bridge Inspection Application System (BIAS), as well as other project documents, such as engineering assessments or mini-scopes.

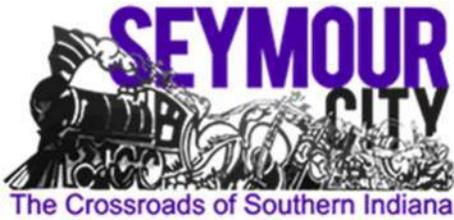
Map depicting potential temporary and/or permanent right-of-way acquisitions. In the email submission to INDOT-CRO, please also include:

- **A GIS polygon shapefile or KMZ file of the project area** (shapefiles are preferred). Shapefiles should use "NAD_1983_UTM" projected coordinate system. In addition, these files should contain the following *text* attribute field: DES_NO. The project designation number should be entered in this field.
- **If the project takes place in undisturbed soils, attach the results of the archaeological investigation, if completed.** *Note: The MPPA Submission Form may be submitted before the archaeology report. INDOT-CRO staff will process the above-ground portion of the form in advance of the archaeological portion of the form. However, a completed determination form will not be returned to the applicant until after the archaeology report has been reviewed and approved by INDOT-CRO.*

Appendix E

Red Flag and Hazardous Materials

Item	Appendix Page
Red Flag Investigation	E1 to E13



Date: April 18, 2022

To: Site Assessment & Management (SAM)
Environmental Policy Office - Environmental Services Division (ESD)
Indiana Department of Transportation (INDOT)
100 N Senate Avenue, Room N758-ES
Indianapolis, IN 46204

From: Kenneth McMullen
GAI Consultants, Inc.
9998 Crosspoint Blvd, Suite 110
Indianapolis, IN 46256
k.mcmullen@gaiconsultants.com

Re: RED FLAG INVESTIGATION
DES #(s) 1902764 and 1902762, Local Project
Roadway Reconstruction
O'Brien Street, from Village Circle Avenue to 4th Street
Jackson County, Indiana

PROJECT DESCRIPTION

Brief Description of Project: This project is located on O'Brien Street, from Village Circle Avenue to 4th Street. Specifically, this project is located in Sections 17 & 20 of Township 6 North, Range 6 East, as shown on the Seymour USGS 7.5 Minute Topographic Map. Des No. 1902762 extends from 4th Street to just north of U.S. 50 and O'Brien Street and Des. No 1902764 extends from south of the U.S. 50 intersection to Village Circle Avenue. O'Brien Street is classified as an Urban Minor Arterial roadway that runs north/south through the project area and consists of two travel lanes. The proposed project will include a roadway reconstruction with a combined curb and gutter on O'Brien Street. The scope of work for the project will also include reconstructing the existing sidewalk and constructing a new sidewalk along both sides of the street, providing improved storm sewers, and installing lighting. In addition, it is anticipated that all intersecting public roads, alleys, and drive approaches will be reconstructed to the extent necessary to provide adequate radii and tie into the new O'Brien Street edge of the pavement. Tree clearing (approximately 0.90 acre) may be required to complete this project.

Bridge Work Included in Project: Yes No Structure #(s) _____

If this is a bridge project, is the bridge Historical? Yes No , Select Non-Select

(Note: If the project involves a historical bridge, please include the bridge information in the Recommendations Section of the report).

Culvert Work Included in Project: Yes No Structure #(s) _____

Proposed right of way: Temporary # Acres 0.10, Permanent # Acres 0.90 acres, Not Applicable

Type and proposed depth of excavation: Excavation will occur with this project for the installation and reconstruction of

the sidewalks and curbs and the storm sewer system. The depth of excavation is not anticipated to exceed 6 feet. Maintenance of traffic (MOT): This project’s maintenance of traffic has not yet been determined but is anticipated to include separate closures of O'Brien Street from Village Circle Avenue to the south of U.S. 50 and from north of U.S. 50 to 4th Street. Residents would be detoured to nearby local streets to park.

Work in waterway: Yes No Below ordinary high water mark: Yes No

State Project: LPA:

Any other factors influencing recommendations: N/A

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Religious Facilities	13	Recreational Facilities	7
Airports ¹	1	Pipelines	4
Cemeteries	N/A	Railroads	5
Hospitals	N/A	Trails	N/A
Schools	4	Managed Lands	N/A

¹In order to complete the required airport review, a review of public-use airports within 3.8 miles (20,000 feet) is required.

Explanation:

Religious Facilities: Thirteen (13) religious facilities, eight (8) mapped and five (5) unmapped, are located within the 0.5 mile search radius. The nearest facility, Seymour Christ Temple, is located adjacent to the project area at the northeast corner of O’Brien and Euclid. Coordination with Seymour Christ Temple will occur.

Airports: Although not located within the 0.5 mile search radius, one (1) public-use airport is located within 3.8 miles (20,000) feet of the project area. The public-use airport, Freeman Municipal Airport, is located approximately 1.27 miles southwest of the project area; therefore, coordination with INDOT Aviation will occur.

Schools: Four (4) schools are located within the 0.5 mile search radius. The nearest facility is located approximately 0.24 mile east of the project area. No impact is expected.

Recreational Facilities: Seven (7) recreational facilities are located within the 0.5 mile search radius. The nearest facility is located approximately 0.08 mile east of the project area. No impact is expected.

Pipelines: Four (4) pipeline segments are located within the 0.5 mile search radius. Two pipeline segments, owned by Indiana Gas Co. Inc., cross the project area. Coordination with Indiana Gas Co. Inc. will occur.

Railroads: Five (5) railroads are located within the 0.5 mile search radius. Two railroad segments, CSX RR and Louisville and Indiana RR, are located within the project area. Coordination with CSX RR and Louisville and Indiana RR should occur.

WATER RESOURCES TABLE AND SUMMARY

Water Resources			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
NWI - Points	N/A	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	N/A
Canal Structures – Historic	N/A	Lakes	N/A
NPS NRI Listed	N/A	Floodplain - DFIRM	N/A
NWI-Lines	N/A	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	1	Sinkhole Areas	N/A
Rivers and Streams	2	Sinking-Stream Basins	N/A

Explanation:

IDEM 303d Listed Rivers and Streams: One (1) IDEM 303d listed stream segment is located within the 0.5 mile search radius. This stream segment is located approximately 0.47 mile southeast of the project area. No impact is expected.

Rivers and Streams: Two (2) stream segments are located within the 0.5 mile search radius. The nearest stream segment is located approximately 0.34 mile west of the project area. No impact is expected.

MINING AND MINERAL EXPLORATION TABLE AND SUMMARY

Mining/Mineral Exploration			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Petroleum Wells	1	Mineral Resources	N/A
Mines – Surface	N/A	Mines – Underground	N/A

Explanation:

Petroleum Wells: One (1) petroleum well is located within the 0.5 mile search radius. This well is located approximately 0.20 mile northwest of the project area. No impact is expected.

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns			
Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Superfund	N/A	Manufactured Gas Plant Sites	N/A
RCRA Generator/ TSD	4	Open Dump Waste Sites	N/A
RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	1	Waste Transfer Stations	N/A

Septage Waste Sites	N/A	Tire Waste Sites	1
Underground Storage Tank (UST) Sites	16*	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	1	Brownfields	2
Construction Demolition Waste	N/A	Institutional Controls	10
Solid Waste Landfill	N/A	NPDES Facilities	16
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	1
Leaking Underground Storage (LUST) Sites	18	Notice of Contamination Sites	N/A

Unless otherwise noted, site specific details presented in this section were obtained from documents reviewed on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC).

Explanation:

RCRA Generator/ TSD: Four (4) RCRA Generator/TSD sites are located within the 0.5 mile search radius.

- Goodyear Auto Service Center, 215 East Second Street, Seymour, Jackson County, Indiana, AI: 30180, is located approximately 0.31 mile west of the project area. According to the Notice of Dismissal letter issued by IDEM on December 13, 2002, the Notice of Violation that was issued on October 4, 2002, was being dismissed. In addition, a letter from IDEM dated November 15, 2002, states that the facility is no longer in need of the U.S. EPA ID number. No impact is expected.

State Cleanup Sites: One (1) State Cleanup site is located within the 0.5 mile search radius.

- Sciarra Cleaners, 111 South Chestnut Street, Seymour, Jackson County, Indiana, AI: 38229, is located approximately 0.43 mile west of the project area. According to the 3rd Quarter 202 Groundwater Monitoring and Vapor Intrusion Assessment Report dated January 8, 2021, this site was formerly Sciarra Cleaners, and contaminants of concern (COCs) for groundwater and vapor at the site are tetrachloroethene (PCE) and its breakdown products. The quarterly report states that there are currently 13 monitoring wells, of which 2 continue to yield elevated concentrations of contaminants. They go on to state that quarterly groundwater monitoring will need to continue at this site. However, they also state that the direction of the groundwater flow is to the west of the area. Given that the direction of groundwater flow is away from the project site, no impact is expected.

Underground Storage Tank (UST) Sites*: Fifteen (15) mapped UST sites and one (1) unmapped UST site are located within the 0.5 mile search radius.

- BigFoot 06, 601 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33454, is located adjacent to the project area on the northwest corner of O'Brien Street and U.S. 50. This is currently the site of a Circle K gas station. IDEM conducted an Underground Storage Tank Inspection on June 24, 2021, and the site was found to be out of compliance with equipment, operating, maintenance, and financial requirements set for in Indiana's UST Rule 329 IAC 9. This site is further discussed under the LUST Section below.
- Village Green Mobile Home Park, 833 South O'Brien Street, Seymour, Jackson County, Indiana, AI: 31532, is located adjacent to the project area east of the O'Brien Street and Central Park Avenue intersection. The Underground Storage Tank Closure Report dated October 28, 1999, documents that the site contained one 10,000 gallon storage tank that was used to store fuel oil until the late 1970s, when its use was discontinued. The UST was removed from the property on October 14, 1999, and no petroleum contamination was identified in the soil samples. No impact is expected.
- Casey's General Store, 400 North O'Brien Street, Seymour, Jackson County, Indiana, AI: 45656, is located adjacent to the northeast of the northern terminus of the project area. IDEM conducted an Underground Storage Tank Inspection on February 22, 2022, and the facility was found to be out of compliance with equipment,

operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9; however, documentation reviewed does not indicate that a release occurred. No impact is expected.

- Dairy Mart Store # 193, 612 East Oak Street, Seymour, Jackson County, Indiana, AI: 33520 is located 0.03 mile east of the project area on the south side of Oak Street. IDEM conducted an Underground Storage Tank Inspection on July 14, 2020, and the facility was found to be out of compliance with equipment, operating, and maintenance requirements set forth in Indiana's UST Rule 329 IAC 9. IDEM issued a Violation letter on July 23, 2020; however, the documentation reviewed does not indicate that a release occurred. No impact is expected. Voluntary Remediation Program: One (1) Voluntary Remediation Program site is located within the 0.5 mile search radius.

Voluntary Remediation Program: Wesner Wash Systems, 612 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33929, is located 0.03 mile east of the project area. IDEM issued a Certificate of Completion for the conclusion of the voluntary remediation on June 1, 2009. An Environmental Restrictive Covenant (ERC) was placed on the property on February 6, 2009, due to low levels of groundwater contamination that remain on the site. The ERC restricts the property from residential use and/or groundwater use. Groundwater depth is fairly shallow at less than four (4) feet bgs at times; however, groundwater flow appears to be going south. No impact is expected.

Leaking Underground Storage Tank (LUST) Sites: Eighteen (18) LUST sites are located within the 0.5 mile search radius.

- Napa Auto Parts, 524 East Tipton, Seymour, Jackson County, Indiana, AI: 36752 is located adjacent to the project area on the southeast corner of O'Brien Street and U.S. 50. According to the No Further Action Approval Determination Pursuant to Remediation Closure Guide issued by IDEM on October 3, 2011. Low levels of soil and groundwater contamination remain on the site and exists in the right-of-way (ROW). An ERC was placed on the property on September 1, 2011. The ERC prohibits the use of groundwater for any purpose. It states that disturbed soil as a result of excavation or construction activities shall be restored in such a manner that the remaining contaminant concentrations do not present a threat to human health or the environment. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.

- Wesner Wash Systems, 612 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33929. This site is also listed as a Voluntary Remediation Program (VRP) site. Please refer to the VRP section for details.

- Johnson Oil Bigfoot #006, 601 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33454, located adjacent to the project area on the northeast corner of O'Brien Street and U.S. 50. This is currently the site of a Circle K gas station. According to the Release Investigation and Confirmation Steps Report, a suspected release was reported on February 1, 2021, due to a leaking pipe being discovered at a kerosene dispenser. Field investigations were conducted on February 25, 2021, by American Environmental, and six soil and groundwater samples were taken from the site. American Environmental concluded that the piping below the kerosene dispenser has not adversely impacted soil and/or groundwater at this facility. IDEM issued a No Further Action Approval Determination Pursuant to the Remediation Closure Guide on May 27, 2021. Therefore, no impact is expected.

Tire Waste Site: One (1) tire waste site is located within the 0.5 mile search radius.

- Georges Seymour Incorporated, 301 East 2nd Street, Seymour, Jackson County, Indiana, AI: 34993, was formerly a tire waste site and is located 0.26 mile west of the project area. According to the letter sent by IDEM on December 17, 2001, this site was no longer used to process tires, and the Waste Tire Processor Registration for the site was being terminated. No impact is expected.

Brownfields: Two (2) brownfield sites are located within the 0.5 mile search radius.

- Jubilee Flower Shop (Napa Auto Parts), 524 East Tipton, Seymour, Jackson County, Indiana, AI: 36752. This site is also a LUST site and an Institutional Control site. Please refer to the Leaking Underground Storage Tank and Institutional Control sections for details.

Institutional Control Sites: Ten (10) Institutional Control sites are located within the 0.5 mile search radius.

- Napa Auto Parts, 524 East Tipton, Seymour, Jackson County, Indiana, AI: 36752 is located at the southwest corner of O'Brien Street and U.S. 50 and adjacent to the project area. Please refer to the LUST Section for additional information.
- BigFoot 06, 533/535 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33454, is located adjacent to the project area. IDEM issued a No Further Action Determination pursuant to RISC Guidance for 535 West Tipton; however, further review of the ERC for this property indicates that the site was at 533/535 East Tipton. An Environmental Restrictive Covenant was recorded on the property on October 29, 2009. Total Petroleum Concentrations ranging from 88 to 2,300 parts per million remained on the property at depths from six (6) to nine (9) feet on the west and south sides of the property as well as under U.S. 50. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.
- Wesner Wash Systems, 612 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33929. This site is also listed as a LUST site and a Voluntary Remediation Program (VRP) site. Please refer to the VRP section for details.

NPDES Facilities: Sixteen (16) NPDES facilities are located within the 0.5 mile search radius.

- H.I. Hill Ready Mix Company, 525 Circle Street, Seymour, Jackson County, Permit #: INRM01009, is located adjacent to the project area west of the intersection of O'Brien and Circle Street. This permit is effective and expires on July 23, 2024. Coordination with HI Hill Ready Mix will occur.
- Dairy Mart Store # 193 (Circle K), 612 East Oak Street, Seymour, Jackson County, Indiana, Permit #: ING080083, is located 0.03 mile east of the project area on the south side of Oak Street. This permit expired on October 31, 2002, and has been terminated. No impact is expected.

NPDES Pipe Locations: One (1) NPDES Pipe Location is located within the 0.5 mile search radius. The NPDES Pipe location is approximately 0.35 mile east of the project area. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

The Jackson County listing of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities can be found at https://www.in.gov/dnr/naturepreserve/files/np_jackson.pdf. A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did not indicate the presence of ETR species within the 0.5 mile search radius. Coordination with USFWS and IDNR will occur.

A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

RECOMMENDATIONS SECTION

Include recommendations from each section. If there are no recommendations, please indicate N/A:

INFRASTRUCTURE:

Religious Facilities: One (1) religious facility, Seymour Christ Temple, is located adjacent to the project area at the northeast corner of O'Brien and Euclid. Coordination with Seymour Christ Temple will occur.

Airports: Freeman Municipal Airport, a public-use airport, is located 1.27 miles southwest of the project area. Coordination with INDOT Aviation will occur.

Pipelines: Two (2) pipeline segments, owned by Indiana Gas Co. Inc., cross the project area. Coordination with Indiana Gas Co. Inc. will occur.

Railroads: Two (2) railroad segments, CSX RR and Louisville and Indiana RR, are located within the project area. Coordination with CSX RR and Louisville and Indiana RR should occur.

WATER RESOURCES: N/A

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS:

LUST/ Institutional Control Sites

- Napa Auto Parts, 524 East Tipton, Seymour, Jackson County, Indiana, AI: 36752 is located adjacent to the project area on the southeast corner of O'Brien Street and U.S. 50. According to the No Further Action Approval Determination Pursuant to Remediation Closure Guide issued by IDEM on October 3, 2011. Low levels of soil and groundwater contamination remain on the site and exist in the right-of-way (ROW). An ERC was placed on the property on September 1, 2011. The ERC prohibits the use of groundwater for any purpose. It states that disturbed soil as a result of excavation or construction activities shall be restored in such a manner that the remaining contaminant concentrations do not present a threat to human health or the environment. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.
- BigFoot 06, 533/535 East Tipton Street, Seymour, Jackson County, Indiana, AI: 33454, is adjacent to the project area on the northwest corner of O'Brien Street and U.S. 50. IDEM issued a No Further Action Determination pursuant to RISC Guidance for 535 West Tipton; however, further review of the ERC for this property indicates that the site was at 533/535 East Tipton. An Environmental Restrictive Covenant was recorded on the property on October 29, 2009. Total Petroleum Concentrations ranging from 88 to 2,300 parts per million remained on the property at depths from six (6) to nine (9) feet on the west and south sides of the property as well as under U.S. 50. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with the IDEM Institutional Controls section (institutionalcontrols@idem.IN.gov) before RFC. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.
- H.I. Hill Ready Mix Company, 525 Circle Street, Seymour, Jackson County, Permit #: INRM01009, is located adjacent to the project area on the west side of O'Brien Street at Circle Street. This permit is effective and expires on July 23, 2024. Coordination with the HI Hill Ready-mix will occur.

ECOLOGICAL INFORMATION: Coordination with USFWS and IDNR will occur. The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation INDOT Projects".

Nicole Fohey-Breting
Digitally signed by
Nicole Fohey-Breting
Date: 2022.04.22
05:29:41 -04'00' (Signature)

INDOT ESD concurrence:

Prepared by:



Environmental Manager
GAI Consultants, Inc.

Graphics:

A map for each report section with a 0.5 mile search radius buffer around all project area(s) showing all items identified as possible items of concern is attached. If there is not a section map included, please change the YES to N/A:

SITE LOCATION: YES

INFRASTRUCTURE: YES

WATER RESOURCES: YES

MINING/MINERAL EXPLORATION: YES

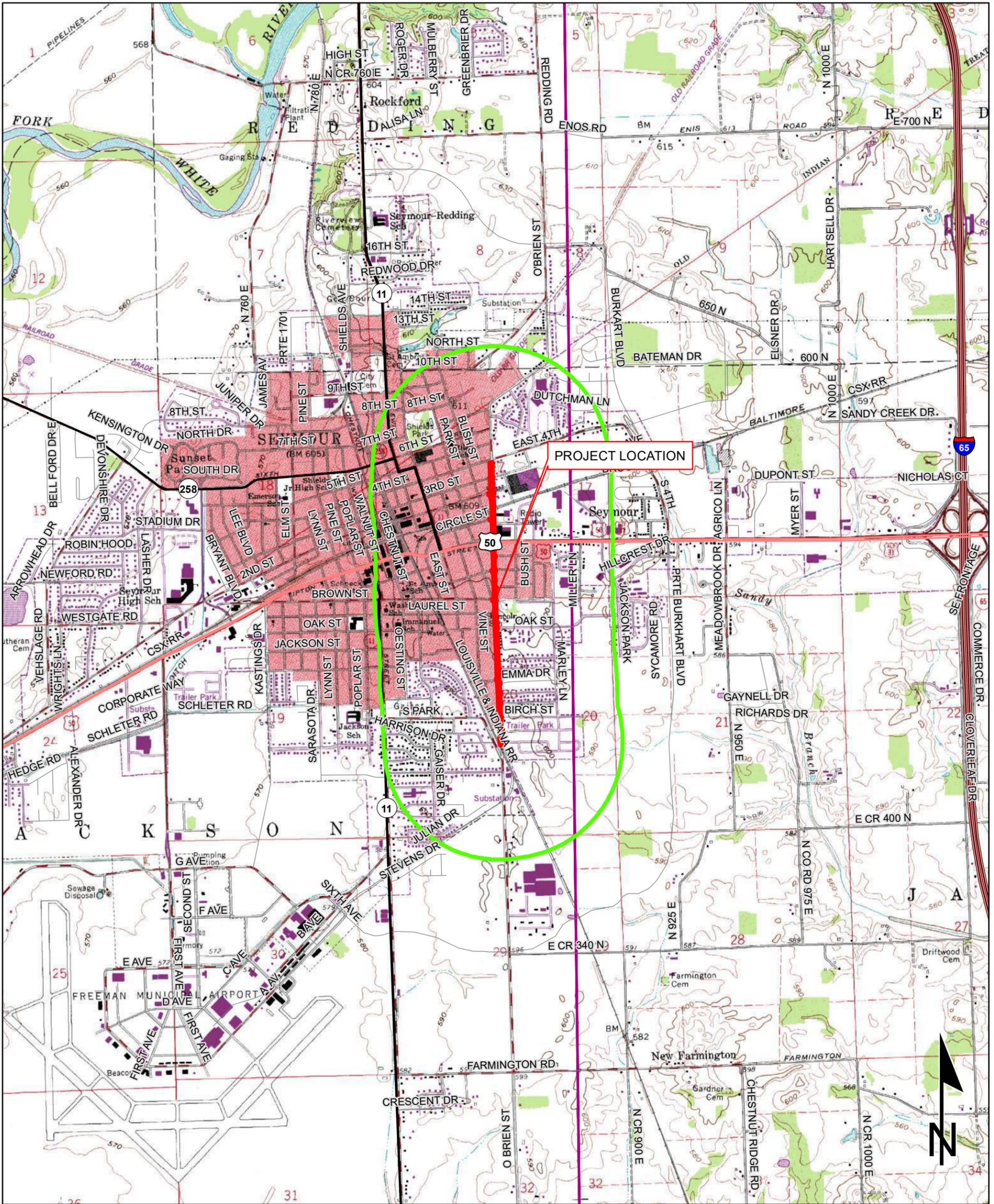
HAZARDOUS MATERIAL CONCERNS: YES

Red Flag Investigation - Site Location

O'Brien Street, from Village Circle Avenue to 4th Street

Des. No's. 1902762 & 1902764, Roadway Reconstruction Project

Jackson County, Indiana



Sources: 0.55 0.275 0 0.55 Miles
Non Orthophotography
 Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
 Map Projection: UTM Zone 16 N Map Datum: NAD83
 This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

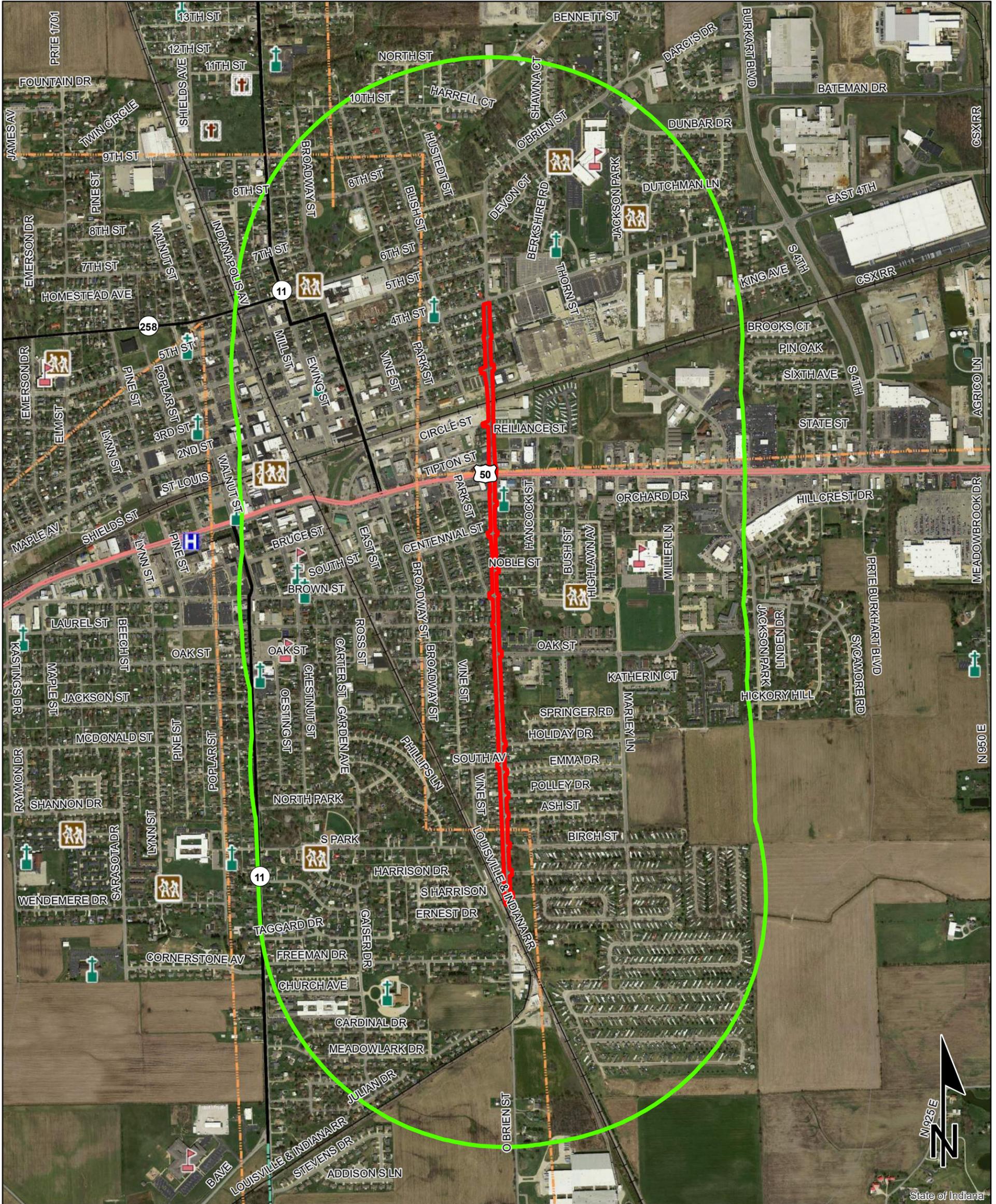
**SEYMOUR AND CHESTNUT RIDGE
 QUADRANGLES
 INDIANA
 7.5 MINUTE SERIES
 (TOPOGRAPHIC)**

Red Flag Investigation - Infrastructure

O'Brien Street, from Village Circle Avenue to 4th Street

Des. No's. 1902762 & 1902764, Roadway Reconstruction Project

Jackson County, Indiana



Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

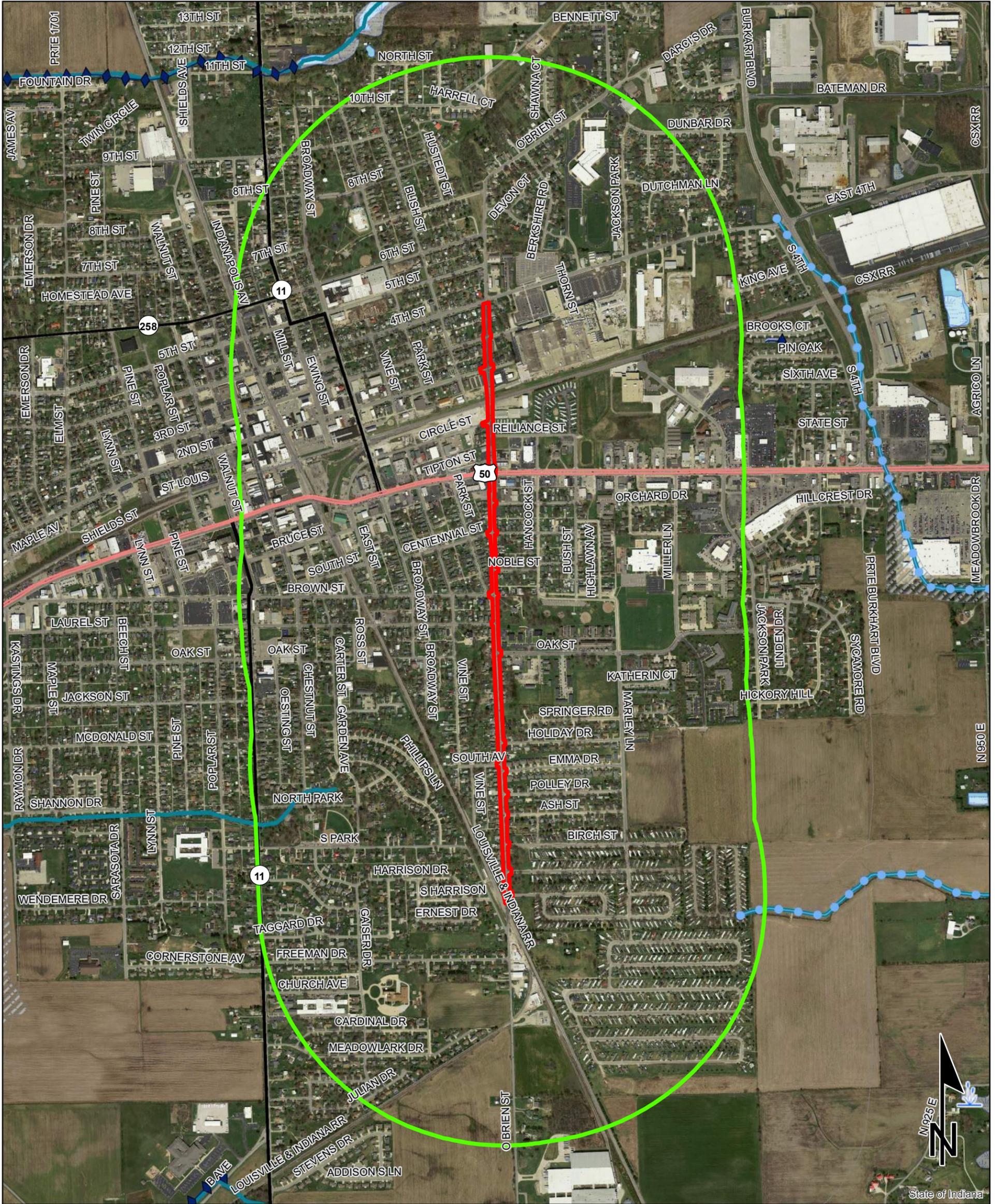
	Religious Facility		Recreation Facility		Project Area
	Airport		Pipeline		Half Mile Radius
	Cemeteries		Railroad		Toll
	Hospital		Trails		Interstate
	School		Managed Lands		State Route
			County Boundary		US Route
					Local Road

Red Flag Investigation - Water Resources

O'Brien Street, from Village Circle Avenue to 4th Street

Des. No's. 1902762 & 1902764, Roadway Reconstruction Project

Jackson County, Indiana

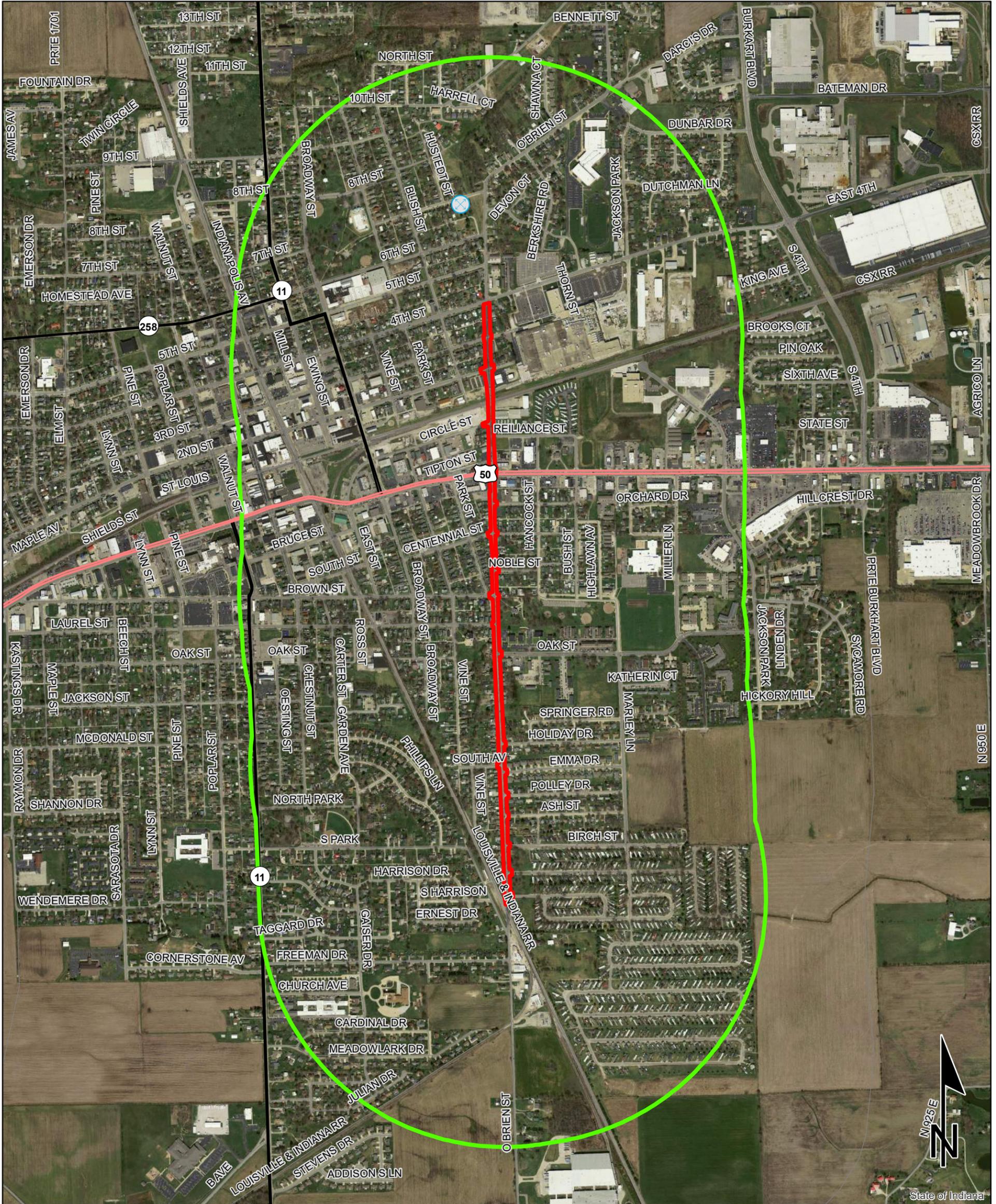


Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

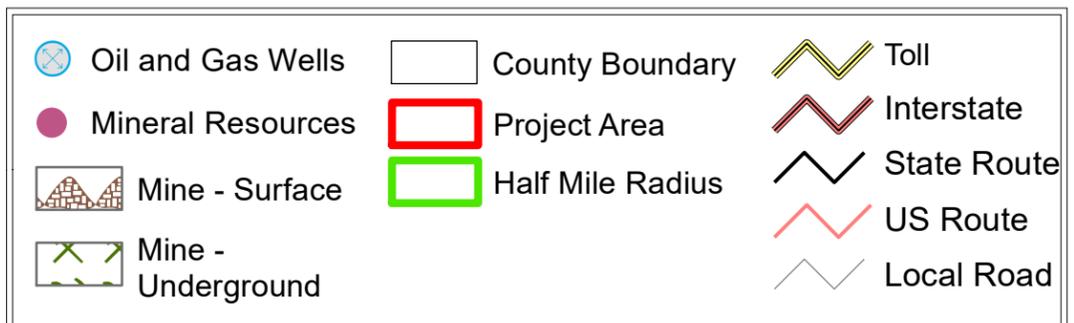
NWI - Point	Wetlands	Project Area
Karst Spring	Lake	Half Mile Radius
NWI - Line	Floodplain - DFIRM	Toll
Impaired_Stream_Lake	Cave Entrance Density	Interstate
NPS NRI listed	Sinkhole Area	State Route
River	Sinking-Stream Basin	US Route
Canal Structure - Historic	County Boundary	Local Road
Canal Route - Historic		

Red Flag Investigation - Mining and Mineral Exploration O'Brien Street, from Village Circle Avenue to 4th Street Des. No's. 1902762 & 1902764, Roadway Reconstruction Project Jackson County, Indiana



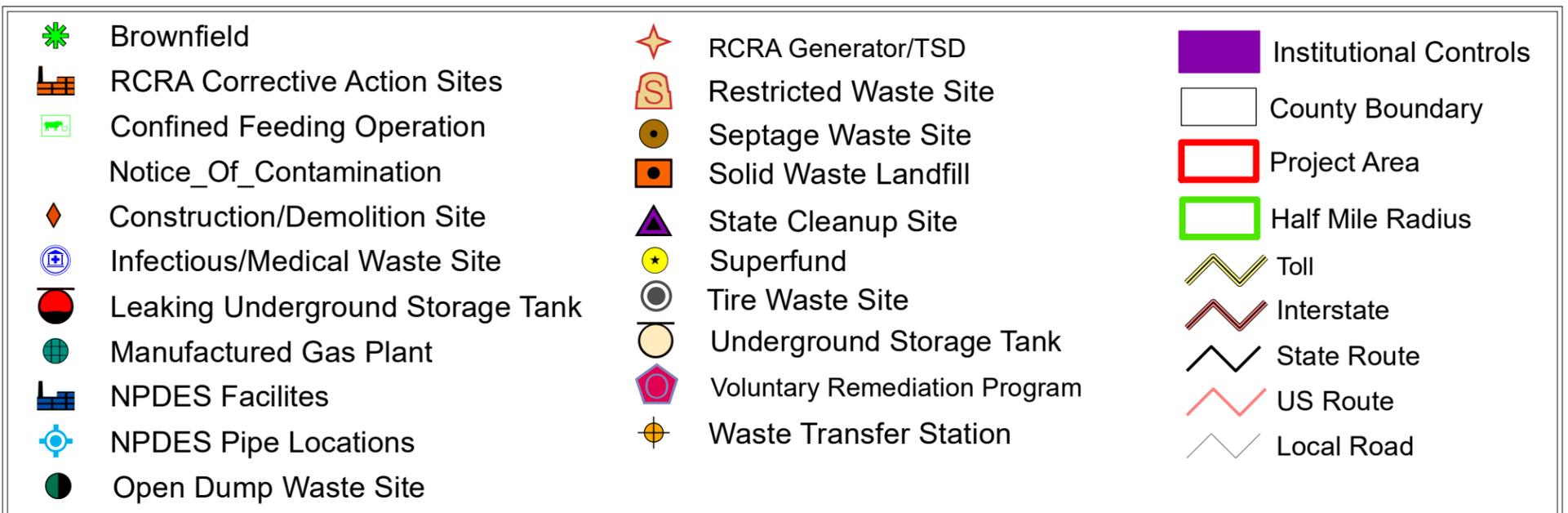
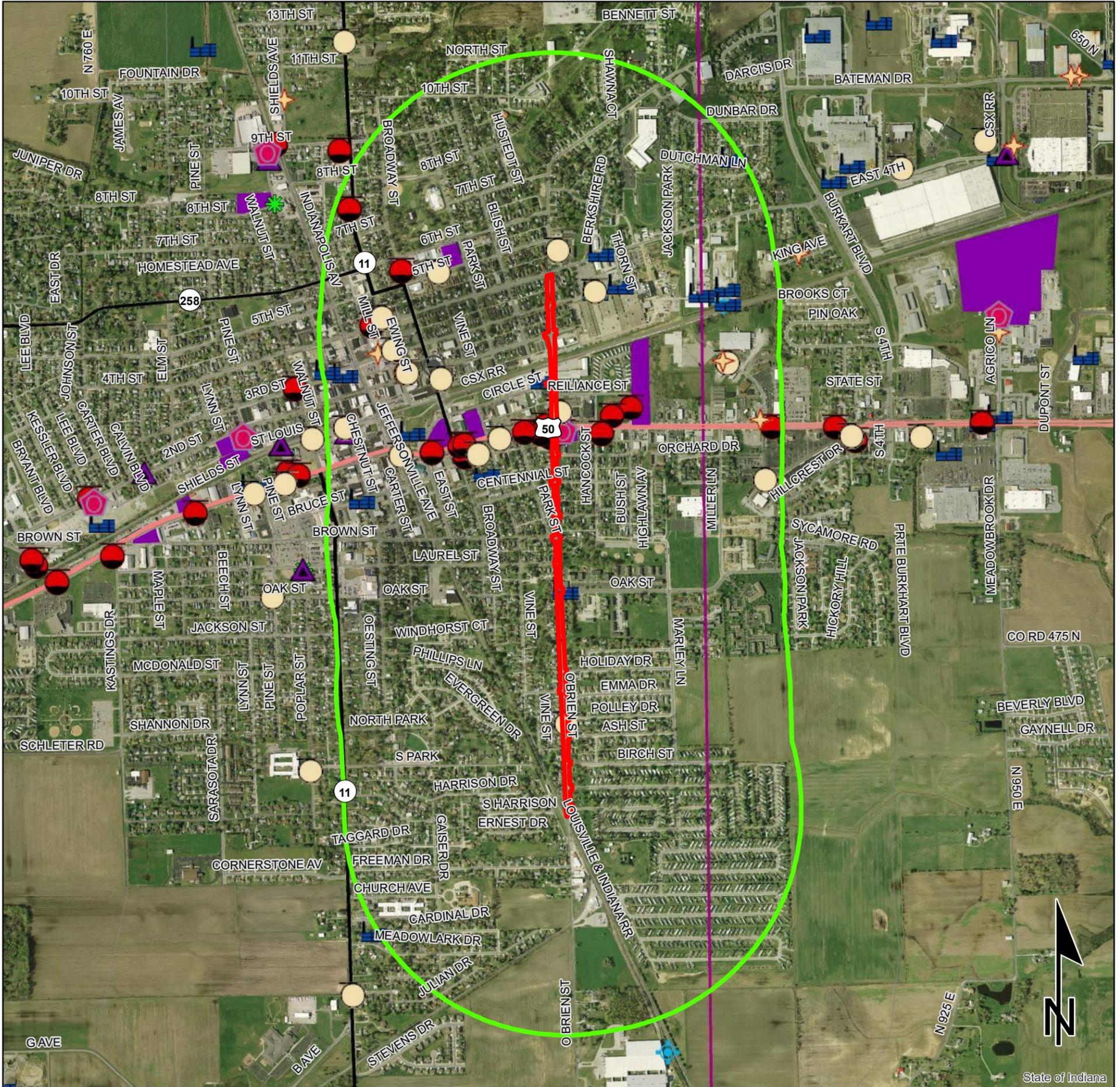
Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



State of Indiana

Red Flag Investigation - Hazardous Material Concerns O'Brien Street, from Village Circle Avenue to 4th Street Des. No's. 1902762 & 1902764, Roadway Reconstruction Project Jackson County, Indiana



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

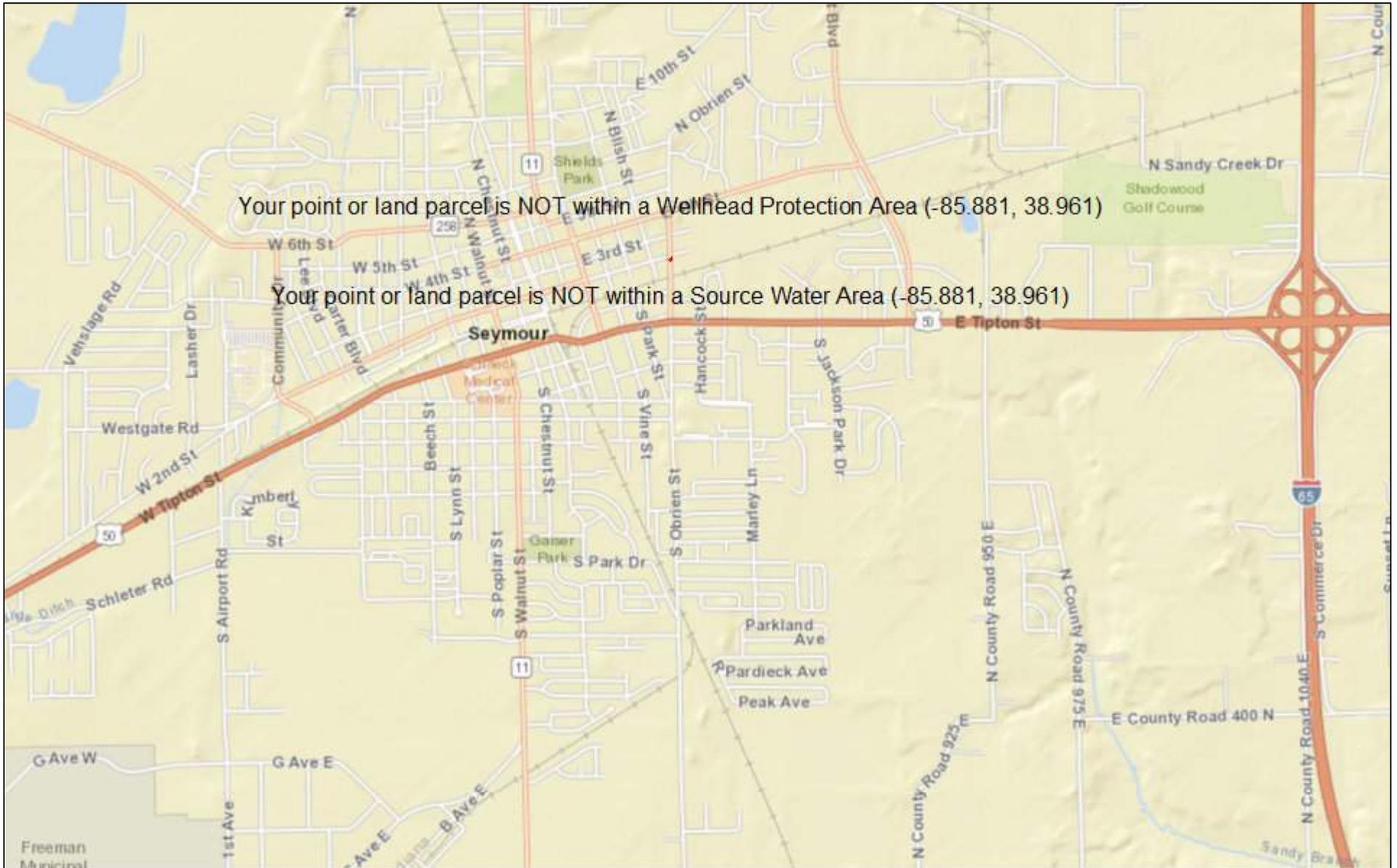
Sources:
Non Orthophotography
 Data - Obtained from the State of Indiana Geographical Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

Appendix F

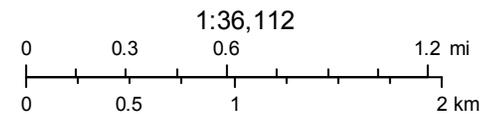
Water Resources

Item	Appendix Page
IDEM Wellhead Proximity Map	F1
FARA	F2

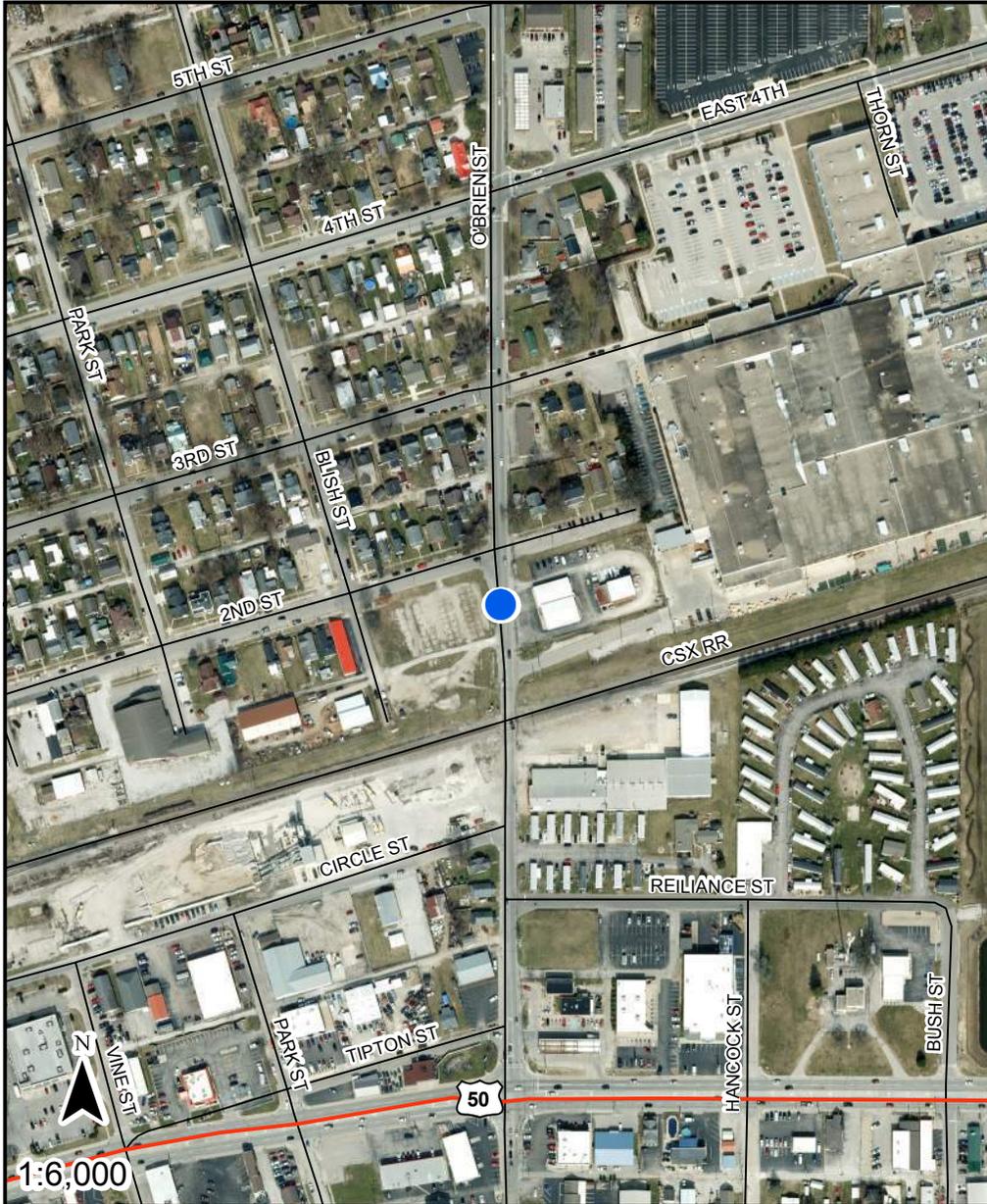
IDEM Source Water Proximity



September 9, 2022



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),



- Point of Interest
- Base Flood Elevation Point

Point of Interest Coordinates (WGS84)
 Long: **-85.8813394877**
 Lat: **38.9609187369**

The information provided below is based on the point of interest shown in the map above.

County: **Jackson**

Approximate Ground Elevation: **608.8 feet (NAVD88)**

Stream Name:
Sandy Branch

Base Flood Elevation: **589.3 feet (NAVD88)**

Drainage Area: **Not available**

Best Available Flood Hazard Zone: **Not Mapped**

National Flood Hazard Zone: **Not Mapped**

Is a Flood Control Act permit from the DNR needed for this location? **See following pages**

Is a local floodplain permit needed for this location? **Contact your local Floodplain Administrator-**

Floodplain Administrator: **Jeremy Gray, Building Commissioner**

Community Jurisdiction: **City Of Seymour, City proper**

Phone: **(812) 522-4746**

Email: **jgray@seymourin.org**

US Army Corps of Engineers District: **Louisville**

Date Generated: 9/9/2022

Appendix F

Water Resources

Item	Appendix Page
IDEM Wellhead Proximity Map	F1
FARA	F2



GAI Indiana offices located in:
Fishers, Fort Wayne, Indianapolis, and Vevay

September 26, 2019

GAI Project No. D190214.00

Sample Notice of Entry Letter

**Bridge Rehabilitation Project
16th Street over White River
Indianapolis, Indiana**

Notice of Entry for Survey Beginning October 7, 2019

Dear Owner or Current Occupant:

Our information indicates that you own or occupy property(ies) near the above proposed transportation project. As representatives of the City of Indianapolis, Department of Public Works, GAI Consultants, Inc., or other consultants, will be conducting field and environmental surveys in the future. It may be necessary for them to enter onto your property to complete this work. This is permitted under Indiana Code § 8-23-7-26. Anyone performing this type of work has been instructed to identify himself or herself to you, if you are available, before they enter your property. If you no longer own this property or it is currently occupied by someone else, please provide us the name of the new owner or occupant and their contact information so we can contact them regarding the survey.

The field survey(s) may include but is/are not limited to topographic survey including the mapping of locations of features such as trees, buildings, fences and drives, and obtaining ground elevations and geotechnical investigation. The environmental survey(s) may include but is/are not limited to archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites), identification and mapping of wetlands and waterways, taking photographs of the area (which may include infrastructure, roads, residential properties, and commercial properties), a historical review of the properties within the vicinity of the proposed project area, evaluation of land use for completion of environmental documentation and various other environmental studies. The information we obtain from such surveys and studies is necessary for the proper planning and design of this project.

It is our sincere desire to cause you as little inconvenience as possible during these surveys. If problems arise, please contact me at t.jessop@gaiconsultants.com or 317.436.4854. Please keep in mind that ***no specific information regarding this project is available at this time***. Thank you in advance for your cooperation.

Sincerely,
GAI Consultants, Inc.

Troy D. Jessop 
Digitally signed by Troy D. Jessop
DN: c. US, o. GAI Consultants, ou. GAI, email. t.jessop@gaiconsultants.com,
cn. Troy D. Jessop
Date: 2019.09.26 11:50:27-0400

Troy D. Jessop, PE
Assistant Engineering Director

Appendix H

Air Quality

Item	Appendix Page
STIP	H1

Indiana Department of Transportation (INDOT)
 State Preservation and Local Initiated Projects FY 2022 - 2026

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Total Cost of Project*	PROGRAM	PHASE	FEDERAL	MATCH	2022	2023	2024	2025	2026
Comments:Include DES 1701503, 1902160, 1701511																		
Indiana Department of Transportation	42675 / 1902886	Init.	US 31	Intersection Improvement, Roundabout	Intersection of US 31 & US 50 in Seymour	Seymour	.01	STBG	\$2,055,685.00	Mobility Construction	CN	\$1,343,114.40	\$335,778.60		\$1,678,893.00			
Performance Measure Impacted: Safety																		
Comments:Include DES 1902886																		
Seymour	42784 / 1902764	Init.	ST 2887	Road Reconstruction (3R/4R Standards)	Obrien Street from Village Circle Avenue to U.S. 50	Seymour	.81	STBG	\$7,778,074.40	Local Funds	CN	\$0.00	\$1,171,375.48					\$1,171,375.48
										Group III Program	RW	\$1,060,160.00	\$0.00			\$1,060,160.00		
										Group III Program	CN	\$4,685,501.92	\$0.00				\$4,685,501.92	
										Local Funds	RW	\$0.00	\$265,040.00			\$265,040.00		
Comments:Include DES 1902762, 1902764																		
Indiana Department of Transportation	42860 / 2000295	Init.	I 65	Bridge Deck Overlay	commiskey pike over I-65, 03.26 N SR 250	Seymour	0	NHPP	\$800,960.00	Bridge Consulting	PE	\$45,468.00	\$5,052.00	\$50,520.00				
										Bridge Construction	CN	\$612,864.00	\$68,096.00		\$20,000.00	\$660,960.00		
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 2000295																		
Indiana Department of Transportation	42866 / 2000332	Init.	US 50	Bridge Thin Deck Overlay	bridge over Mutton Creek Ditch, 00.93 mile E US 31	Seymour	0	NHPP	\$827,078.00	Bridge Construction	CN	\$661,662.40	\$165,415.60				\$827,078.00	
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 2000330, 2000350, 2000332																		
Indiana Department of Natural Resources	42871 / 2000297	Init.	SR 258	Bridge Deck Overlay	over E FK White River ovll, 01.99 W SR 11	Seymour	0	STBG	\$4,515,304.00	Bridge Construction	CN	\$3,079,523.20	\$769,880.80		\$20,000.00	\$3,829,404.00		
										Bridge Consulting	PE	\$26,640.00	\$6,660.00	\$33,300.00				
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 2000294, 2000296, 2000348, 2000297																		
Indiana Department of Transportation	42880 / 2000369	Init.	US 50	HMA Overlay, Preventive Maintenance	0.82 miles W of W Jct of SR 11 (Von Fange Ditch bridge) to 0.84 miles W of I-65	Seymour	2.59	NHPP	\$4,656,378.00	Road Consulting	PE	\$54,120.00	\$13,530.00	\$67,650.00				
										Road Construction	CN	\$3,257,084.00	\$814,271.00		\$4,071,355.00			
Performance Measure Impacted: Pavement Condition																		
Comments:Include DES 2000369																		
Indiana Department of Transportation	43218 / 1600664	Init.	US 31	Small Structure Maint and Repair	6.75 miles N of US 50	Seymour	0	STBG	\$606,582.00	Bridge Construction	CN	\$296,456.80	\$74,114.20	\$10,000.00				\$360,571.00

*Estimated Costs left to Complete Project column is for costs that may extend beyond the four years of a STIP. This column is not fiscally constrained and is for information purposes.

Appendix I

Additional Studies

Item	Appendix Page
LWCF sites	I1
EJ Analysis	I2 to13

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated March 2022)

ProjectNumber	SubProjectCode	County	Property
1800171	1800171BB	Jackson	Starve Hollow
1800230	1800230	Jackson	Jackson-Washington State Forest and Starve Hollow
1800305	1800305C	Jackson	Starve Hollow State Recreation Area
1800327	1800327J	Jackson	Starve Hollow State Recreation Area
1800363	1800363EE	Jackson	Starve Hollow State Recreation Area
1800447	1800447	Jackson	Starve Hollow State Recreation Area

*Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Kenneth McMullen

From: Fair, Terri <TFair@indot.IN.gov>
Sent: Thursday, February 9, 2023 5:59 PM
To: Kenneth McMullen
Cc: Passmore, Andrew D
Subject: DES #(s) 1902764 and 1902762, Local Project LPA CE with EJ analysis
Attachments: ej to indotseymour (003).pdf

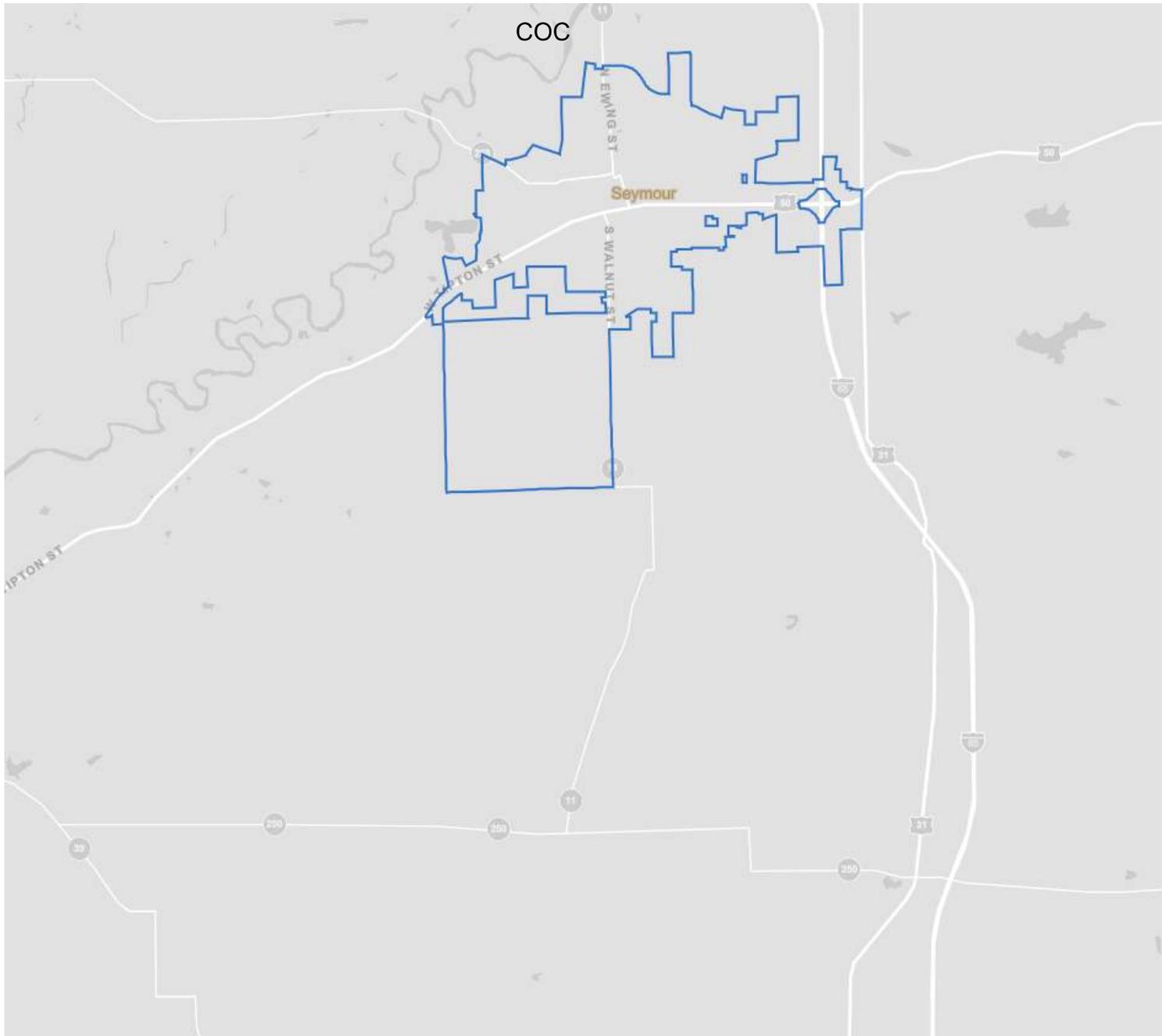
Follow Up Flag: Follow up
Flag Status: Flagged

EXERCISE CAUTION: This is an External Email Message!

Think before clicking on links, opening attachments, or responding

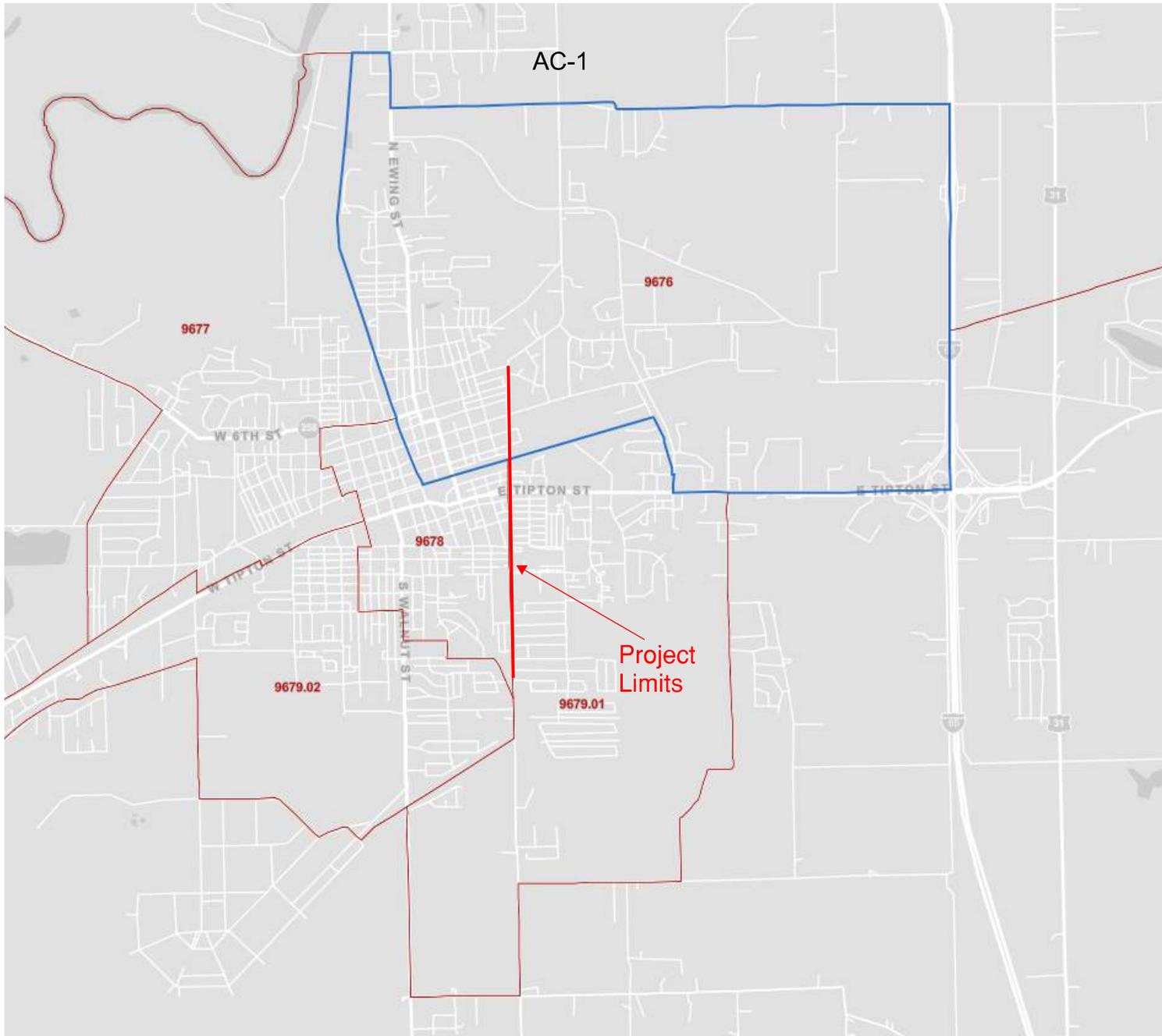
INDOT-Environmental Services Division (ESD) has reviewed the project information along with the Environmental Justice (EJ) Analysis for the above referenced project. With the information provided, the project may require minimal right-of-way, require no relocations, and would not disrupt community cohesion or create a physical barrier. With the information provided, INDOT-ESD would not consider the impacts associated with this project as causing a disproportionately high and adverse effect on minority and/or low-income populations of EJ concern relative to non-EJ populations in accordance with the provisions of Executive Order 12898 and FHWA Order 6640.23a. No further EJ Analysis is required.

Seymour city, Indiana Reference Map



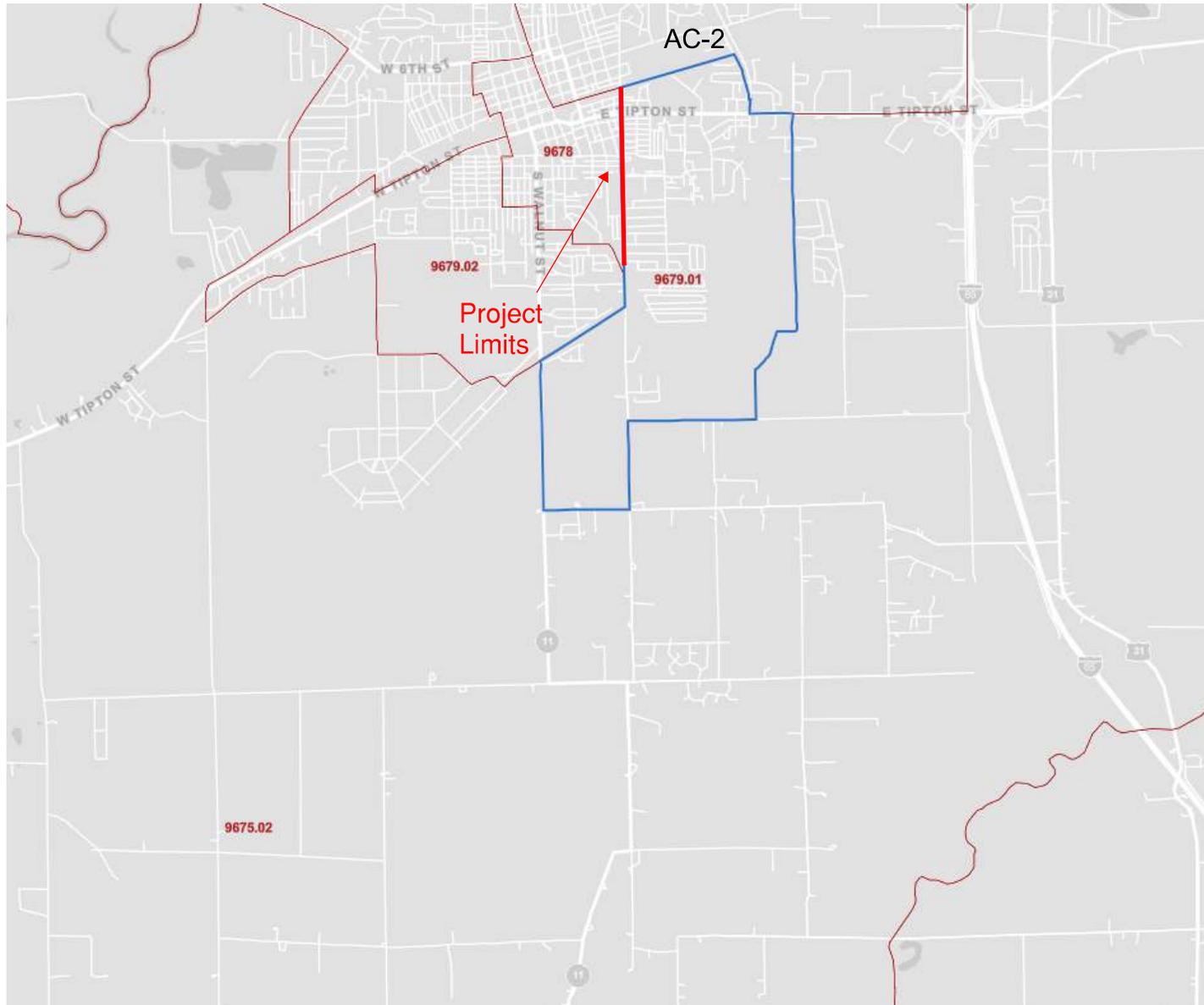
Source: U.S. Census Bureau

Census Tract 9676, Jackson County, Indiana Reference Map



Source: U.S. Census Bureau

Census Tract 9679.01, Jackson County, Indiana Reference Map



Populations and People

RACE		United States[®] Census Bureau
Note: The table shown may have been modified by user selections. Some information may be missing.		
DATA NOTES		
TABLE ID:	P1	
SURVEY/PROGRAM:	Decennial Census	
VINTAGE:	2020	
DATASET:	DECENNIALPL2020	
PRODUCT:	DEC Redistricting Data (PL 94-171)	
UNIVERSE:	Total population	
FTP URL:	https://www2.census.gov/programs-surveys/decennial/2020/data/	
API URL:	https://api.census.gov/data/2020/dec/pl	
USER SELECTIONS		
GEOS	Census Tract 9676, Jackson County, Indiana	
EXCLUDED COLUMNS		
	None	
APPLIED FILTERS		
	None	
APPLIED SORTS		
	None	
PIVOT & GROUPING		
	None	
WEB ADDRESS		
	https://data.census.gov/cedsci/table?g=1400000US18071967600&tid=DECENNIALPL2020.P1	

Table: DECENNIALPL2020.P1

TABLE NOTES	Note: For information on data collection, confidentiality protection, nonsampling error, and definitions, see 2020 Census Redistricting Data (Public Law 94-171) Summary File Technical Documentation.
	For information on the statistical methods used to protect confidentiality in these tables, see Disclosure Avoidance and the 2020 Census.
	Source: U.S. Census Bureau, 2020 Census Redistricting Data (Public Law 94-171)
COLUMN NOTES	None

RACE		United States[®] Census Bureau
Note: The table shown may have been modified by user selections. Some information may be missing.		
DATA NOTES		
TABLE ID:	P1	
SURVEY/PROGRAM:	Decennial Census	
VINTAGE:	2020	
DATASET:	DECENNIALPL2020	
PRODUCT:	DEC Redistricting Data (PL 94-171)	
UNIVERSE:	Total population	
FTP URL:	https://www2.census.gov/programs-surveys/decennial/2020/data/	
API URL:	https://api.census.gov/data/2020/dec/pl	
USER SELECTIONS		
GEOS	Census Tract 9679.01, Jackson County, Indiana	
EXCLUDED COLUMNS		
	None	
APPLIED FILTERS		
	None	
APPLIED SORTS		
	None	
PIVOT & GROUPING		
	None	
WEB ADDRESS		
	https://data.census.gov/cedsci/table?g=1400000US18071967901&tid=DECENNIALPL2020.P1	

Table: DECENNIALPL2020.P1

TABLE NOTES	Note: For information on data collection, confidentiality protection, nonsampling error, and definitions, see 2020 Census Redistricting Data (Public Law 94-171) Summary File Technical Documentation.
	For information on the statistical methods used to protect confidentiality in these tables, see Disclosure Avoidance and the 2020 Census.
	Source: U.S. Census Bureau, 2020 Census Redistricting Data (Public Law 94-171)
COLUMN NOTES	None

POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE		United States[®] Census Bureau
Note: The table shown may have been modified by user selections. Some information may be missing.		
DATA NOTES		
TABLE ID:	B17001	
SURVEY/PROGRAM:	American Community Survey	
VINTAGE:	2020	
DATASET:	ACSDT5Y2020	
PRODUCT:	ACS 5-Year Estimates Detailed Tables	
UNIVERSE:	Population for whom poverty status is determined	
FTP URL:	None	
API URL:	https://api.census.gov/data/2020/acs/acs5	
USER SELECTIONS		
TABLES	B17001	
GEOS	United States; Census Tract 9679.01, Jackson County, Indiana	
EXCLUDED COLUMNS		
	United States!!Margin of Error	
	Census Tract 9679.01, Jackson County, Indiana!!Margin of Error	
APPLIED FILTERS		
	None	
APPLIED SORTS		
	None	
PIVOT & GROUPING		
	None	

Table: ACSDT5Y2020.B17001

WEB ADDRESS	https://data.census.gov/cedsci/table?q=B17001%3A%20POVERTY%20STATUS%20IN%20THE%20PAST%2012%20MONTHS%20BY%20SEX%20BY%20AGE&g=0100000US_1400000US18071967901&tid=ACSDT5Y2020.B17001&moe=false
TABLE NOTES	<p>Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, for 2020, the 2020 Census provides the official counts of the population and housing units for the nation, states, counties, cities, and towns. For 2016 to 2019, the Population Estimates Program provides estimates of the population for the nation, states, counties, cities, and towns and intercensal housing unit estimates for the nation, states, and counties.</p>
	<p>Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section.</p> <p>Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.</p>
	Source: U.S. Census Bureau, 2016-2020 American Community Survey 5-Year Estimates
	<p>Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see ACS Technical Documentation). The effect of nonsampling error is not represented in these tables.</p>
	<p>The 2016-2020 American Community Survey (ACS) data generally reflect the September 2018 Office of Management and Budget (OMB) delineations of metropolitan and micropolitan statistical areas. In certain instances, the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB delineation lists due to differences in the effective dates of the geographic entities.</p>
	<p>Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.</p>

Table: ACSDT5Y2020.B17001

	<p>Explanation of Symbols:- The estimate could not be computed because there were an insufficient number of sample observations. For a ratio of medians estimate, one or both of the median estimates falls in the lowest interval or highest interval of an open-ended distribution.N The estimate or margin of error cannot be displayed because there were an insufficient number of sample cases in the selected geographic area. (X) The estimate or margin of error is not applicable or not available.median- The median falls in the lowest interval of an open-ended distribution (for example "2,500-")median+ The median falls in the highest interval of an open-ended distribution (for example "250,000+").** The margin of error could not be computed because there were an insufficient number of sample observations.*** The margin of error could not be computed because the median falls in the lowest interval or highest interval of an open-ended distribution.***** A margin of error is not appropriate because the corresponding estimate is controlled to an independent population or housing estimate. Effectively, the corresponding estimate has no sampling error and the margin of error may be treated as zero.</p>
COLUMN NOTES	None

	Seymour city, Indiana	Census Tract 9676, Jackson County, Indiana	Census Tract 9679.01, Jackson County, Indiana
Label	Estimate	Estimate	Estimate
Total:	19,780	5,196	6,138
Not Hispanic or Latino:	16,966	4,756	4,891
White alone	15,025	3,792	3,064
Black or African American alone	550	139	110
American Indian and Alaska Native alone	0	78	221
Asian alone	925	139	77
Native Hawaiian and Other Pacific Islander alone	19	4	1
Some other race alone	186	604	1,418
Two or more races:	261	440	1,247
Two races including Some other race	52	427	1,229
Two races excluding Some other race, and three or more races	209	29	44
non white	4755	1404	3074
Percent	24%	27%	50%
125% of COC	30%	No	Yes
Low Income	Seymour city, Indiana	Census Tract 9676, Jackson County, Indiana	Census Tract 9679.01, Jackson County, Indiana
Label	Estimate	Estimate	Estimate
Total:	19,254	4,490	4,712
Income in the past 12 months below poverty level:	6,019	787	1,379
Percent	31%	18%	29%
125% of COC	39.08%	No	No