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

Road	d No./County: Olio Road/ Hamilton County					
Desig	nation Number(s):	2101733				
Project Descr	ct iption/Termini:		el Lanes/ From 146 th Stre	eet to 156 th St	reet along Olio Road	
	Categorical Exclusion	, Level 2 – Red	quired Signatories: INDOT l	DE and/or INDO	OT ESD	
	Categorical Exclusion	, Level 3 – Red	quired Signatories: INDOT	ESD		
Х	χ Categorical Exclusion, Level 4 – Required Signatories: INDOT ESD and FHWA					
	Environmental Assessment (EA) – Required Signatories: INDOT ESD and FHWA					
	Additional Investigation (AI) – The proposed action included a design change from the original approved environmental document. Required Signatories must include the appropriate environmental approval authority					
Appro		Γ DE Signature a	nd Date	INDOT ES	D Signature and Date	
	FHV	VA Signature and	Date	4	2 .0	
Releas	se for Public Involven	nent	N/A	A	DWP February 13, 2025	
			INDOT DE Initials and Date	e	INDOT ESD Initials and Date	
Certific	cation of Public Invol	vement				
			INDOT Cons	sultant Services S	ignature and Date	
INDOT E	DE/ESD Reviewer Signatur	e and Date:				
Name ar	nd Organization of CE/EA I	Preparer:	Samantha Beaupre/Lochmu	ueller Group, Inc.		

County	Hamilton	Route	Olio Roa	d	Des. No.	2101733	
	r to the most current INDO n of this form.	T CE Manual, guidan	ce languag	e, and other ESD reso	ources for furt	her guidance	e regarding
		<u> Part I – P</u>	<u>ublic lı</u>	<u>nvolvement</u>			
	al action requires some levelopment process. The leve						
If I	oes the project have a histo No, then:	• .	under the I	Historic Bridges PA*?	Yes	No X	
	Opportunity for a Public Ho				X		
	aring is required for all histo PO, and the ACHP.	oric bridges processe	ed under the	Historic Bridges Prog	ırammatic Ag	reement bet	ween INDOT,
	nt public involvement activit pecial purpose meetings, ne				nd residents	(i.e. notice o	f entry),
Notice of notifying	f Entry letters were maile them about the project a A sample copy of the N	ed to potentially affe and that individuals	ected propersib	erty owners near the le for land surveying	g and field a		
was publ commen Decembe	the public involvement r lished in the <i>Hamilton Ce</i> t pursuant to 36 CFR 80 er 24, 2024. The text of ments or responses were	ounty Recorder on 0.2(d), 800.3(e), ar the public notice ar	November nd 800.6(a	25, 2024 offering th (4). The public com	ne public an nment period	opportunity I closed 30	to submit days later on
(INDOT) public an local pub	ect will meet the minimum Project Development Proportunity to submit collication contingent upon public involvement requ	ublic Involvement Fomments and/or reather the release of this	Procedures quest a pu document	<i>Manual</i> which requblic hearing. Theref	ires the proj ore, a legal	ect sponso notice will a	r to offer the appear in a
•							
	Controversy on Envilic controversy concerning pacts.			ce impacts, including	what is being	done during	the project to
	ne, there is no substanti	al public controvers	sy concern	ing impacts to the c	ommunity o	r to natural	resources.
<u>Part</u>	II - General Pro	ect Identifica	ation, D	escription, a	nd Desig	<u>ın Infor</u>	<u>mation</u>
Sponsor	of the Project:	City of Noblesville			INDO	T District:	Greenfield
·	me of the Facility:	Olio Road				1 Diotriot.	Croomora
	unding Source (<i>mark all tha</i>		eral X	State Local	X Othe	r*	
	other is selected, please in			N,			
This is r	page 2 of 38 Project par	ne: Olio Road A	dded Trave	Lanes	Date:	February	12, 2025

Version: December 2021

County	Hamilton	Route	Olio Road	Des. No.	2101733	
PURPOS	SE 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 need for the project stems from inadequate capacity for the projected vehicular demand along Olio Road between 146th and 156th Street, including Bridge #29-00170. Several developments are proposed along this segment of Olio Road. The Finch Creek Development is planned west of Olio Road and north of 156th Street. This development will consist of 1,300 single-family homes and 600 apartment units on 605 acres. Another development, Gatewood Lakes, is planned on the east side of Olio Road. This development will consist of 500 townhomes, 400 active adult homes (age 55 and over independent living), and 2,200 to 2,400 single-family homes on approximately 1,100 acres. Additionally, the Noblesville Event Center is currently under construction at 14157 CJ Way, Noblesville, IN 46060 on East 141st Street, between Interstate (I)-69 and Olio Road, 0.5 mile southeast of the project area. The Noblesville Event Center is a 3,400 seat multi-purpose facility that will open in Summer 2025 and is the home of the Indiana Pacers G League (https://www.visithamiltoncounty.com/sports-authority/facilities/noblesville-event-center/). The arena is expected to have 1,000 parking spaces. The event center is part of the planned Innovation Mile, a business and technology hub planned southeast of the project area (https://www.noblesville.in.gov/egov/documents/1695929917 83341.pdf).

According to the *Olio Road Project Existing and No Build Traffic Operations Memo* developed in January 2024, this segment of Olio Road will experience capacity issues by 2045 due to the aforementioned developments along and adjacent to this segment of Olio Road (Appendix I, I164 to I176). Capacity of a roadway is commonly reported as a level of service (LOS) from A ("free flow") to F ("oversaturated"). LOS C is commonly used for design purposes and represents a roadway with volumes utilizing 70 to 80 percent of its capacity. LOS D ("at capacity") is typically considered acceptable for peak period conditions in urban and suburban areas. This portion of Olio Road is currently operating at an LOS B in the AM and PM peak hour. Development of the area is anticipated to decrease the LOS from a B to an E ("saturated") by 2045.

The need is also due to the insufficient geometric design for a major collector roadway. Presently, Olio Road between 146th Street and 156th Street (including Bridge #29-00170), which is partially within the urban area boundary of Noblesville, consists of two 10-foot-wide travel lanes with 0 to 2-foot-wide aggregate shoulders. Additionally, the Indianapolis Metropolitan Planning Organization (IMPO) Traffic Count Map for this section of Olio Road estimated in 2025 an average daily traffic (ADT) volume of 4,300. Given these parameters, and per Figure 53-8 of the Indiana Design Manual (IDM), the desired geometric design for an urban major collector is 12-foot-wide lanes (11-foot-wide minimum) with an 8-foot-wide paved shoulder or 2-foot-wide curb (Appendix I, I93 to I96). This section of Olio Road (including Bridge #29-00170) fails to meet the minimum geometric design requirements for this classification of a roadway.

The need for the project also stems from the crashes experienced at the intersection of Olio Road and 156th Street. According to the *Road Safety Assessment Report* developed in September of 2024, the crashes experienced at the intersection between years 2021 through 2023 is roughly 2 standard deviations higher than expected at this intersection based on the roadway classifications, type of intersection, traffic volumes, and number of crashes resulting in severe injuries (Appendix I, I97 to I163). A majority of the crashes at the intersection of Olio Road and 156th Street were right angle crashes. There were 6 right angle crashes that occurred at the intersection and 3 of them resulted in incapacitating injuries.

Purpose:

The purpose of the project is to address the inadequate capacity within the Olio Road corridor between 146th Street and 156th Street, including Bridge #29-00170, and obtain a minimum acceptable LOS of D for this portion of Olio Road and an LOS of D for the 156th and Olio Road intersection during the design year of 2045. Additionally, the purpose is to reduce the opportunity for right-angle crashes, the most severe crashes, at the 156th Street and Olio Road intersection and to have this segment of Olio Road meet current geometric design standards for a major collector roadway.

This is page 3 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025
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County Hamilton		Route Oli	o Road	Des. No	. 2101733
PROJECT DESCRIP	TION (PREFERRED	ALTERNATI\	/E):		
County: Hamilton		Municipal	ity: Noblesville		
Limits of Proposed World	k: Olio Road, 146 th	Street to 156 th S	Street		
Total Work Length:	1.11 Mile((s)	Total Work Are	a: 49.33	Acre(s)
If yes, when did Acceptability? ¹ If an IAD is re final approval		etermination of E	document must be su	Lubmitted to the FH	·
current deficiencies, roadw	ay description, surrour	nding features, e	tc. Preferred alternativ	ve should include	d include current conditions, the scope of work, anticipated
added travel lane pro	e, with funding from ject along Olio Road oblesville also intend	the Federal Hig , from 146 th Str ds to proceed w	ghway Administration reet to the southern with the replacement	on (FHWA), inter end of Bridge #	nds to proceed with an
The project is located depicted on the River (Appendix B, B2).					
project area is two 10 South of the project a travel lanes (two in eaconsists of two 10-foomiles per hour (mph). January 2024, this se of a roadway is commonly used for decommonly used for decommonly used for the south sou	ally classified as a mal-foot-wide through transcription (146th Street), that direction). Northot-wide through trave According to the Oliagment of Olio Roadmonly reported as a lesign purposes and insidered acceptable rating at an LOS B ir	e typical cross of the project a el lanes (one in lanes (one in lanes (one in lanes) evel of service evel of service represents a rofor peak periodo the AM and F	e in each direction) section of Olio Roa trea (156th Street), the each direction). The Existing and No Broapacity issues by (LOS) from A ("free eadway with volume I conditions in urbar	and 0- to 2-foot- d consists of fou he typical cross e existing speed uild Traffic Oper 2045 (Appendix flow") to F ("ove s utilizing 70 to 8 a and suburban	limit along Olio Road is 45 ations Memo developed in (I, I164 to I176). Capacity ersaturated"). LOS C is 80 percent of its capacity. areas. This portion of Olio
156 th Street is functio wide through travel la					56th Street is two 9-foot-
historic. The INDOT E	Bridge Inspection Reneadwall. The structu	port dated Aug ire is 22 feet lo	ust 17, 2023 (Appe ng with a deck widtl	ndix I, I90 to I92	2 and is not considered), identified hairline cracks ne typical section on the
Bridge #29-00277 cal not considered histori				s of dual steel cu	ulverts built in 1970 and is

Date: February 12, 2025

Olio Road Added Travel Lanes

This is page 4 of 38 Project name:

County	Hamilton	Route	Olio Road	Des. No.	2101733	
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There are several drainage ditches along Olio Road, which flood the adjacent properties during rainfall events. There are three existing culverts that cross under Olio Road, several driveway culverts, and a drainage culvert on the east side of Olio Road and north of 146th Street. See the *Bridges and/or Small Structure(s)* section of this document for more information. Existing pedestrian facilities consist of a 500-foot length of 8-foot wide hot mix asphalt (HMA) path along the fire station property west of Olio Road.

Adjacent land use consists of residential, municipal (Fire Station), commercial (Ruoff Music Center), and agricultural areas (Appendix B, B3 to B8).

Preferred Alternative:

Olio Road will be widened from a two-lane road into a four-lane boulevard. The new typical section will consist of four 12-foot-wide travel lanes with an 11- to 16-foot-wide raised grass median. Additionally, 20-foot wide median breaks will be present in several places along the project area to allow motorists to turn into properties located along Olio Road (Appendix B, B29). The roadway will have curb and gutter and two 10-foot-wide multi-use paths, one on each side of the road (Appendix B, B29). The multi-use paths will connect to existing multi-use paths at the intersection of Olio Road and 146th Street and in front of Noblesville Fire Station 77. Americans with Disabilities Act (ADA) compliant curb ramps will be installed in association with the multi-use paths. The existing pavement will be milled to a minimum depth of 1.5 inches. Hot mix asphalt (HMA) pavement will be used for the resurfacing of the existing roadway, the new roadway construction, and the multi-use paths (Appendix B, B28). The curb and gutter will include a 6-inch circular underdrain (Appendix B, B29). A left turn lane will be constructed north of the northern Ruoff Music Center entrance, located approximately 0.22 mile north of the intersection with 146th Street (Appendix B, B33). A right turn lane will be constructed south of the northern Ruoff Music Center entrance. A left turn lane will be constructed south of the southern Ruoff Music Center entrance located approximately 0.11 mile north of the 146th Street and Olio Road intersection (Appendix B, B32). A series of five detention ponds will be constructed on the east side of Olio Road for stormwater detention. New stormwater infrastructure will be constructed to convey drainage under Olio Road to the new detention ponds (Appendix B, B32 to B36). See the Bridges and/or Small Structure(s) section of this document for more information. Several private drives along Olio Road and driveway culverts will be reconstructed. Roadside ditches will be reconstructed as necessary due to the widening of the existing roadway. The design speed of the new road will be 45 mph (Appendix B. B25). Temporary erosion and sediment control will consist of inlet protection, silt fence, filter sock, modified check dams, and temporary seeding (Appendix B, B38 to B43).

In addition, construction of a roundabout is proposed at the intersection of Olio Road and 156th Street. The typical section of the roundabout will consist of an 88-foot-wide raised landscaped median, a 12-foot-wide concrete truck apron, a 2-foot-wide curb, and 32 feet of HMA pavement. Approaching the roundabout on Olio Road, the travel lanes width will vary from 24 to 32 feet (consisting of two lanes with a minimum width of 12 feet) with a 2-foot-wide curb and gutter,8-foot-wide grassy shoulder, and 10-foot-wide multi-use path. An inside splitter island will separate traffic entering and exiting the roundabout. A 2-foot-wide curb will be located between the splitter island and the travel lanes. Approaching the roundabout on 156th Street, the travel lane width will vary from 12 to 16 feet, 2-foot-wide curb and gutter, 8-foot-wide grassy shoulders, an inside splitter island, and a 2-foot-wide curb adjacent to the splitter island. Approaching the splitter islands on 156th Street, the typical section will consist of a 11.83- to 16-foot-wide median strip, 12- to 16-foot-wide travel lanes, 2-foot-wide curb and gutter, and 8-foot-wide grassy shoulders. Pavement markings and signage will be placed to direct motorists through the roundabout (Appendix B, B65 to B86). New permanent lighting will be installed in the area of the roundabout.

The bridge carrying Olio Road over Sand Creek (Bridge #29-00170), located 0.04 mile south of 156th Street, will be replaced as part of the project. The existing structure will be removed. The proposed bridge will be a continuous reinforced concrete slab bridge with one 26.5-foot-wide span. The typical section will consist of four 12-foot-wide lanes (two in each direction) with two 2-foot-wide outside shoulders, two 1.5-foot-wide inside shoulders, two 10.5-foot-wide multi-use paths, one 5-foot-wide median, two 1-foot-wide barrier rails, and two 7-inch-wide curbs. It is anticipated that the new bridge will have a clear roadway width of 56 feet and an out-to-out coping of 83.2 feet (Appendix B, B87 to B94). Sand Creek will be dewatered during construction with the use of cofferdams. One side will be dewatered at a time.

This is page 5 of 38	Project name:	Olio Road Added Travel Lanes	Date: February 12, 2025	

County	Hamilton	Route	Olio Road	Des. No.	2101733

Bridge #29-00277 will not be impacted.

The maintenance of traffic (MOT) for the project will require phased construction and detours. The widening along Olio Road will occur in two phases. The intersection improvement and bridge replacement will require the closure of the intersection at 156th Street and Bridge #29-00170 during construction and utilization of a detour (Appendix B, B30 and B31). Refer to the *MOT During Construction* section for more information.

Construction is anticipated to begin in Fiscal Year (FY) 2027.

Approximately 167 linear feet (0.03 acre) of stream impacts, 0.56 acre of wetland impacts, 22.60 acres of terrestrial habitat impacts, and 0.55 acre of tree clearing are anticipated. Impacts have been minimized to the greatest extent possible. Avoidance of the anticipated impacts would result in the project not meeting the purpose and need. Mitigation may be required for the wetland impacts and will be determined during permitting. The project requires approximately 16.84 acres of new permanent right-of-way (ROW), 10.11 acres of temporary ROW, and 4.79 acres of new drainage easement.

The preferred alternative meets the purpose and need by improving capacity and achieving a minimum acceptable LOS of D for this portion of Olio Road and the 156th and Olio Road intersection in the design year (2045). It also addresses geometric deficiencies by upgrading this section of Olio Road, including Bridge #29-00170, to meet current IDM standards. Furthermore, the preferred alternative meets the purpose and need by reducing the right-angle crashes, the most severe crashes at the intersection of Olio Road and 156th Street.

Logical Termini/Independent Utility:

The north-south termini of the project are Olio Road from 146th Street to 0.12 mile north of 156th Street. The east-west termini are 156th Street from 382 feet west of Olio Road to 403 feet east of Olio Road. The termini of the project provide the logical beginning and end point necessary to complete the added travel lanes project. Olio Road is already a 4-lane roadway south of 146th Street. The multi-use paths will connect with the existing path at the intersection of 146th Street and Olio Road. The planned development in the area (Finch Creek and Gatewood Lakes) will primarily occur near or adjacent to this stretch of Olio Road from 146th Street to 156th Street. The added capacity will allow residents of the new developments to travel to the Hamilton Town Center, access I-69, and travel to the planned Noblesville Event Center to the south of the project. The project is independent of any other action and able to be constructed without relying on the completion of any other project.

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.

No Build Alternative:

This alternative would involve no added travel lanes, would not replace the Bridge #29-00170, and would not improve the intersection of Olio Road and 156th Street. This alternative would not address the capacity and geometry issues along this section of Olio Road. While this alternative eliminates immediate costs and environmental impacts, it would not meet the purpose and need of the project. Therefore, this alternative was dismissed from further consideration.

Bridge Widening Alternative:

This alternative would involve widening Bridge #29-00170 to meet the new typical section along Olio Road. This alternative would meet the purpose and need and would result in approximately the same environmental impacts. However, this alternative would not extend the life of the bridge, resulting in further costs in the near future. Therefore, this alternative was not deemed prudent and was dismissed from further consideration.

All Way Stop Alternative:

This alternative would involve adding stop signs to the northbound and southbound Olio Road approaches, as eastbound and westbound 156th Street are currently stop controlled. This alternative also includes adding "stop ahead" signage and buzz strips to the northbound and southbound Olio Road approaches. While an all-way stop-controlled

This is page 6 of 38	Proiect name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County Hamilton	Route	Olio Road	Des. No.	2101733
and environmental impact severity of right-angle cra	modate projected traffic gots, it has significant limitateshes compared to the preed and was therefore dismed considered.	tions. Specifically, this eferred alternative. As	s alternative is less eff a result, it does not a	ective in reducing the
		ent or practicable book	auso (Mark all that apply	λ
It would not correct of It would not correct to It would not correct to It would not correct to	native is not feasible, prude existing capacity deficiencies existing safety hazards; he existing roadway geometr existing deteriorated condition ious impacts to the motoring	; ric deficiencies; ns and maintenance pro	oblems; or	X
ROADWAY CHARACTE	R:			
If the proposed action includes	multiple roadways, complete	and duplicate for each	roadway.	
Name of Roadway Functional Classification: Current ADT: Design Hour Volume (DHV) Designed Speed (mph):	Olio Road Major collector 4,300 VPD (20) 530 Truck Perce 45 Legal Spee	entage (%) 4.4	NDT: <u>5,300 V</u>	(PD (2045)
	Existing	Propose	d	_
Number of Lanes:	2		4 ************************************	
Type of Lanes: Pavement Width:	through 20 ft.	48	through ft.	
Shoulder Width:	0-2 ft.	4	ft.	
Median Width: Sidewalk Width:	N/A ft. N/A ft.	16 10	ft. ft.	
Setting: Topography:	Urban Level	X Suburban Rolling	Rural Hilly	
Name of Roadway	156 th Street			
Functional Classification:	Minor collector			
Current ADT: Design Hour Volume (DHV)	1,200 VPD (20 : 153 Truck Perce		ADT: 1,530 V	'PD (2045)
Designed Speed (mph):	:153		<u> </u>	
	Existing	Propose	d	
Number of Lanes:	2	Порозе	2	
Type of Lanes:	through		through	
Pavement Width: Shoulder Width:	20 ft. 0 ft.	56 2	ft.	
Median Width:	N/A ft.	Varies (min. 4 ft)	ft.	
Sidewalk Width:	N/A ft.	10	ft.	
Setting: Topography:	Urban X Level	X Suburban Rolling	Rural Hilly	
This is page 7 of 38 Pro	oject name: Olio Road A	Added Travel Lanes	Date:	February 12, 2025

County	Hamilton	Route	Olio Road	Des. No.	2101733

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): 29-00170/National Bridge Inventory Sufficiency Rating: 87.2 (INDOT Bridge Inspection

(NBI) No. 2900227

Report dated 8/17/2023)

(Rating, Source of Information)

	Existing		Propose	d
Bridge/Structure Type:	Precast	concrete arch box	Continuous reinforced concre	
	culvert		slab	
Number of Spans:	1		1	
Weight Restrictions:	N/A	ton	N/A	ton
Height Restrictions:	N/A	ft.	N/A	ft.
Curb to Curb Width:	30.5	ft.	56	ft.
Outside to Outside Width:	32.1	ft.	83.2	ft.
Shoulder Width:	0	ft.	7	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.

Bridge #29-00170 (NBI No. 2900227) carries Olio Road over Sand Creek. The concrete bridge was built in 1992 and is not considered historic. The structure is 22 feet long with a deck width of 32.1 feet. The typical section on the bridge consists of two 11-foot-wide travel lanes (one in each direction). The existing bridge will be removed and replaced. The proposed bridge will be a continuous reinforced concrete slab bridge with one 26.5-foot-wide span. The typical section will consist of four 12-foot-wide lanes (two in each direction) with two 2-foot-wide outside shoulders, two 1.5-wide inside shoulders, two 10.5-foot-wide multi-use paths, one 5-foot-wide median, two 1-foot-wide barrier rails, and two 7-inch curbs. It is anticipated that the new bridge will have a clear roadway width of 56 feet and an out-to-out coping of 83.2 feet. Approximately 110 linear feet (0.02 acre) of Sand Creek will be permanently impacted by the bridge replacement. Approximately 167 linear feet (0.03 acre) of Sand Creek will be temporarily impacted by cofferdam use during construction.

Five existing small structures are present within the project area. The impacts to these structures are discussed in the table below.

Existing Structure No.	Structure No. in Plans	Existing Type	Existing Size	Proposed Size	Location	Impacts
Unnamed	Str. No. P200	Concrete pipe	36 in x 100 ft	42 in x 102 ft	40.0021538, -85.9188725	Replaced, no stream impacts
Unnamed	Str. No. 103	CMP	24 in x 36 ft	12 in x 43 ft	40.0033582, -85.9191048	Replaced, no stream impacts
Unnamed	N/A	Concrete pipe	24 in x 100 ft	N/A	40.0113546, -85.9194747	No impact, outside of construction limits
Unnamed	Str. No. 119	СМР	12 in x 33 ft	12 in x 43 ft	40.0120344, -85.9189356	Replaced, no stream impacts
Unnamed	Str. No. 121	CMP	24 in x 36 ft ft	12 in x 43 ft	40.0132142, -85.9191234	Replaced, no stream impacts

This is page 8 of 38 Project name: Olio Road Added Travel Lanes Date: February 12, 2025	his is page 8 of 38 Project name:	Olio Road Added Travel Lanes	Date: February 12, 2025
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County	Hamilton	Route Olio Road	Des. No. 21	101733
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Several new structures will be constructed as a part of the project. These are listed in the table below.

Structure No. in Plans	Proposed Size (dia. x length)	Location	Impacts
Str. No. 201	12 in x 16 ft	40.0024042, -85.9187453	No stream impacts
Str. No. 202	12 in x 16 ft	40.0022740, -85.9187106	No stream impacts
Str. No. 101	12 in x 43 ft	40.0027384, -85.9190605	No stream impacts
Str. No. 102	12 in x 43 ft	40.0029281, -85.9190488	No stream impacts
Str. No. 104	12 in x 43 ft	40.0038976, -85.9190985	No stream impacts
Str. No. 105	12 in x 42 ft	40.0044769, -85.9190915	No stream impacts
Str. No. 203	18 in x 116 ft	40.0051724, -85.9188619	No stream impacts
Str. No. 208	36 in x 119 ft	40.0051777, -85.9187167	No stream impacts
Str. No. 106	12 in x 42 ft	40.0055428, -85.9191245	No stream impacts
Str. No. 107	12 in x 43 ft	40.0057891, -85.9191076	No stream impacts
Str. No. 108	12 in x 43 ft	40.0064938, 85.9191528	No stream impacts
Str. No. 109	12 in x 43 ft	40.0065233, -85.9191112	No stream impacts
Str. No. 110	18 in x 5 ft	40.0068871, -85.9193761	No stream impacts
Str. No. 110a	18 in x 37 ft	40.0068566, -85.9191363	No stream impacts
Str. No. 401	18 in x 37 ft	40.0071786, -85.9190294	No stream impacts
Str. No. 402	18 in x 36 ft	40.0074553, -85.9190662	No stream impacts
Str. No. 403	18 in x 55 ft	40.0078935, -85.9190983	No stream impacts
Str. No. 404	18 in x 49 ft	40.0081948, -85.9190957	No stream impacts
Str. No. 111	12 in x 5 ft	40.0075723, -85.9192938	No stream impacts
Str. No. 111a	18 in x 228 ft	40.0075513, -85.9191838	No stream impacts
Str. No. 112	6 in x 12 ft	40.0079870, -85.9193046	No stream impacts
Str. No. 112a	18 in x 194 ft	40.0079892, -85.9191812	No stream impacts
Str. No. 113	18 in x 5 ft	40.9191763, -85.9191763	No stream impacts
Str. No. 113a	18 in x 219 ft	40.0092504, -85.9190963	No stream impacts
Str. No. 114	24 in x 5 ft	40.0098129, -85.9192304	No stream impacts
Str. No. 114a	24 in x 41 ft	40.0097681, -85.9190485	No stream impacts
Str. No. 115	12 in x 42 ft	40.0102384, -85.9191442	No stream impacts
Str. No. 116	18 in x 44 ft	40.0105559, -85.9191187	No stream impacts
Str. No. 117	12 in x 43 ft	40.0110409, -85.9188927	No stream impacts
Str. No. 118	12 in x 46 ft	40.0116142, -85.9188663	No stream impacts
Str. No. 204	18 in x 43 ft	40.0107693, -85.9189182	No stream impacts
Str. No. 120	12 in x 43 ft	40.0125994, -85.9190359	No stream impacts
Str. No. 122	12 in x 42 ft	40.0135232, -85.9191030	No stream impacts
Str. No. 123	12 in x 42 ft	40.0139658, -85.9190677	No stream impacts
Str. No. 124	18 in x 47 ft	40.0142317, -85.9191604	No stream impacts
Str. No. 125	18 in x 46 ft	40.0146437, -85.9192157	No stream impacts
Str. No. 205	12 in x 22 ft	40.0123594, -85.9187162	No stream impacts

This is page 9 of 38 Project name: Olio Road Added Travel Lanes Date: February 12, 2025

		India	na Depai	rtment of Transporta	tion		
County	Hamilton		Route	Olio Road	Des. No.	2101733	
Str. No.	206	12 in x 35 ft		40.0124548, -85.9186299	No stream impa	acts	
Str. No.	207	12 in x 81 ft		40.0141172, -85.9190405	No stream impa	acts	
Str. No.	126	12 in x 42 ft		40.0152142, -85.9192492	No stream impa	acts	
See Appe	endix B, B62 to B	34 for the design pl	an structure	table. No other bridges or sr	nall structures will	l be impacted b	y the project.
MAINTE	NANCE OF TR	AFFIC (MOT) DU	JRING CO	NSTRUCTION:			
Discuss clostemporary mand wetlands The MOphases (0.65 mile 156th Stretake app	Provisions will be Provisions will be Provisions will be Provisions will be proposed of the proposed of the project requires, detours, arreasures should be provisions will be provided by the provisions will be provided by the provisions will be provided by the provisions will be provided by the provisions will be provisions will be provided by the provisions	dway proposed? blve the use of a dependent of access of a made for access of a made to accommod of substantially of a controversy associated a sidewalk, curbe made for access od/or facilities (if any the quantified to the edestrian/bicycle of a will require phase of the street. Phase 2 we route for both phonths to complete	by local traficated harmonic dependence any local traficated with the bramp, and by pedestria by that will be extent possilosures. Any ed constructed will involve that will involve that will involve that extent dependence in the detorior of the detorior	endent businesses. cocal special events or festiva nvironmental consequences e proposed method for MOT for bicycle lane closure? (deans and/or bicyclist and so perprovided for maintenance of the particularly with respect vocal concerns about access ction and detours. The wide construction along Olio Rotalize 166th Street, Boden Fur will result in an added to	ds. of the action? ? scribe below) osted (describe be f traffic. Any know to properties such and traffic flow se dening along Oli o Road from 146 oad from 0.65 m Road, and 146th avel distance of	wn impacts from h as Section 4(thould be detaile o Road will ocup the Street to ap ile north of 14 Street. Each f 2.0 miles and	f) resources ed as well. ccur in two opproximately 6th Street to phase will d an added
during co Baptist R	The intersection improvement and bridge replacement will require the closure of the intersection and Bridge #29-00170 during construction (Appendix B, B69 and B90). The detour route will utilize Boden Road, 146 th Street, and Prairie Baptist Road. The detour will result in an added travel distance of 1.9 miles and an added travel time of 3 minutes. The intersection/bridge will be closed for 4 months.						
construct MOT price	Ruoff Music Center is an event center located adjacent to the project. Events will likely be impacted by project construction and the MOT. The City of Noblesville will coordinate with the Ruoff Music Center regarding the proposed MOT prior to project letting to limit disruptions to events and the surrounding community to the extent possible. This additional coordination is included as a firm commitment in the <i>Environmental Commitments</i> section of this document.						
discusse limited to be acces	d the MOT with the extent pos	the Noblesville C sible by splitting t	City Fire Ch the constru	project area. The City of ief and Deputy Fire Chief. ction phases at the fire staille City Fire Chief and De	The disruptions ation. One of the	s to the fire sta two fire station	ation are on drives will
		ot mix asphalt (HN erefore, no pedes		ong the fire station proper will be utilized.	ty is not connec	ted to any oth	er

This is page 10 of 38 Project name: Olio Road Added Travel Lanes Date: February 12, 2025

Count	ty <u>Hamilton</u>		Route	Olio Road		Des. No	. 2101733	
The MOT will be implemented per the <i>Manual on Uniform Traffic Control Devices (MUTCD)</i> guidelines. Construction is anticipated to begin in fall of 2026. Access to adjacent properties will be maintained throughout project construction.								
emerg	The closures and detours will pose a temporary inconvenience to traveling motorists (including school buses and emergency services); however, no significant delays are anticipated, and all inconveniences and delays will cease upon project completion.							
ESTI	MATED PROJEC	T COST AND	SCHEDULE:					
Engin	\$ 1,674, eering:	903 (2022- 2025)	Right-of-Way:	\$ 2,300,000	(2024- 2026)	Construction:	\$ 17,698,300. 00	(2025- 2026)
_	Ŧ ·,-··,	2025)	Right-of-Way: - Fall 2026	\$ 2,300,000	•	Construction:		•
Anticip	eering:	2025)	-	\$ 2,300,000	•	Construction:		•
Anticip	eering:	2025)	-	\$ 2,300,000	•	-		•
Anticip	eering:	2025)	Fall 2026	\$ 2,300,000 Perma	2026)	Construction: - Amount (acres) Temporary		•
Anticip	eering:	2025) Construction:	Fall 2026		2026)	Amount (acres)	00	•

Land Use Impacts	Permanent	Temporary	Drainage Easement
Residential	1.51	0.18	0.00
Commercial	0.76	0.07	0.00
Agricultural	13.45	9.85	4.79
Forest	0.00	0.00	0.00
Wetlands	0.58	0.00	0.00
Other: Government (Fire Station)	0.54	0.01	0.00
Other:	0.00	0.00	0.00
TOTAL	16.84	10.11	4.79

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.

The existing right-of-way (ROW) extends approximately 10 feet east and west of the roadway centerline along Olio Road within the project area. The existing ROW consists of existing roadway pavement. The existing ROW extends approximately 10 feet north and south of the roadway centerline along 156th Street within the project area. The existing ROW consists of existing roadway pavement.

The project requires approximately 16.84 acres of new permanent ROW consisting of 1.51 acres of residential, 0.76 acre of commercial, 13.45 acres of agricultural, 0.58 acre of wetlands, and 0.54 acre from the fire station. The project also requires approximately 10.11 acres of temporary ROW consisting of 0.18 acre of residential, 0.07 acre of commercial, 9.85 acre of agricultural, and 0.01 acre from the fire station. The temporary ROW is for driveway reconstruction and grading. The project will also involve establishing a new drainage easement for the maintenance of the detention ponds consisting of 4.79 acres of agricultural land. The new drainage easement consists of land that is also being acquired as temporary ROW.

The new permanent ROW along Olio Road will extend approximately 20 to 140 feet west and 35 to 125 feet east of the roadway centerline within the project area. The new permanent ROW along 156th Street will extend 10 to 55 feet north and south of the roadway centerline within the project area.

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

This is page 11 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County	Hamilton	Route	Olio Road	Des. No.	2101733	_

Changes to scope of work include tree or habitat removal, temporary and/or permanent lighting changes, and/or hibernacula/karst impacts not included in the original environmental documentation.

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.

Early coordination letters were sent on February 6, 2023 (Appendix C, C1 to C5).

<u>Agency</u>	Date Sent	Date Response Received	<u>Appendix</u>
FHWA- Indiana Division	February 6, 2023	No response received	N/A
US Department of Agriculture, Natural	February 6, 2023	December 12, 2023	Appendix C, C15 to C16
Resources Conservation Services			
US Department of Housing and Urban	February 6, 2023	No response received	N/A
Development, Chicago Regional Office	Fab	A = =: 4.4 0000	A managed by C. CAO
United States Coast Guard, 8th District	February 6, 2023	April 14, 2023	Appendix C, C12
US Army Corps of Engineers, Louisville District	February 6, 2023	No response received	N/A
National Park Service, Midwest Regional Office	February 6, 2023	No response received	N/A
INDOT, Greenfield District Environmental Section Manager	February 6, 2023	No response received	N/A
INDOT, Greenfield District Project Manager	February 6, 2023	No response received	N/A
Indiana Department of Natural Resources (IDNR), Division of Fish and Wildlife (DFW)	February 6, 2023	March 8, 2023	Appendix C, C7 to C11
Indiana Geological & Water Survey	December 11, 2023	December 11, 2023	Appendix C, C13 to C14
IDNR, Oil and Gas Division	February 6, 2023	No response received	N/A
INDOT Environmental Services	February 6, 2023	No response received	N/A
INDOT Office of Aviation	February 6, 2023	February 6, 2023	Appendix C, C6
Indianapolis Metropolitan Planning Organization	February 6, 2023	No response received	N/A
Hamilton County Highway Department	February 6, 2023	No response received	N/A
Hamilton County Board of Commissioners	February 6, 2023	No response received	N/A
Hamilton County Council	February 6, 2023	No response received	N/A
Wayne Township Trustee	February 6, 2023	No response received	N/A
Hamilton County Surveyor's Office	February 6, 2023	No response received	N/A
Hamilton County Emergency Management Agency	February 6, 2023	No response received	N/A
Hamilton County Sheriff's Department	February 6, 2023	No response received	N/A
Noblesville School District	February 6, 2023	No response received	N/A
Hamilton County Plan Commission (Floodplain Administrator)	February 6, 2023	No response received	N/A
Noblesville City Engineer	February 6, 2023	No response received	N/A
Noblesville Emergency Medical Service	February 6, 2023	No response received	N/A
	I DOIGGLY O, ZUZU	1 110 100001130 10001100	1 1 1 / / 1

This is page 12 of 38 Project name: Olio Road Added Travel Lanes Date: February 12, 2025

Indiana Department of Transportation Olio Bood

Douto

County Transition	Roule Ollo Road	Des. No.	2101733
Nobleaville Mayor's Office	Fobruary 6, 2022	No reaponee received	N/A
Noblesville Mayor's Office	February 6, 2023	No response received	
Noblesville Common Council	February 6, 2023	No response received	N/A
Noblesville MS4 Coordinator	July 16, 2024	No response received	N/A
Ruoff Music Center	July 18, 2024	No response received	N/A

All applicable recommendations are included in the *Environmental Commitments* section of this Categorical Exclusion (CE) document.

SECTION B - ECOLOGICAL RESOURCES:

Hamilton

County

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

<u>Presence</u>	<u>Impacts</u>			
	Yes	No		
Х	X			

Doc No

2101733

827 Total stream(s) in project area: Linear feet Total impacted stream(s): 110 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 US, appendix reference)
Sand Creek	Perennial	782	110	Located near the Olio Road and 156 th Street intersection, likely WOTUS, flows northeast to southwest (Appendix F, F5 to F6 and F18 to F19
Unnamed Tributary (UNT) to Sand Creek	Ephemeral	45	0	Located north of 156 th Street, likely WOTUS, flows northeast to southwest (Appendix F, F5 to F6 and F18)

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.

Based on the desktop review, the aerial maps of the project area (Appendix B, B3 to B8), and the RFI report (Appendix E, E1 to E11), there are four streams, rivers, watercourses, or other jurisdictional features within the 0.5-mile search radius. There is one stream within the project area, which was updated to two streams by the site visits on September 14, 2022 and October 30, 2023 by Lochmueller Group.

A Waters of the U.S. Determination / Wetland Delineation Report was completed for the project on January 17, 2024. Please refer to Appendix F, F2 to F12 for the Waters of the U.S. Determination / Wetland Delineation Report. It was determined that two likely jurisdictional waters were located within the survey area. The U.S. Army Corps of Engineers (USACE) makes all final determinations regarding jurisdiction.

No federal, Wild and Scenic Rivers; State Natural, Scenic, and Recreational Rivers; Outstanding Rivers for Indiana; navigable waterways; or Nationwide Rivers Inventory waterways are present in the project area.

Sand Creek is a perennial stream that flows from northeast to southwest through the survey area. This stream is considered to exhibit average quality based on riparian cover and available habitat. There is 782 linear feet (0.12 acre) of Sand Creek located within the project area. Approximately 110 linear feet (0.02 acre) of Sand Creek will be permanently impacted by the bridge replacement. Approximately 167 linear feet (0.03 acre) of Sand Creek will be

	This is page 13 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025)
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County _	Hamilton		Route	Olio Road		Des. No.	2101733	
temporarily	, impacted h	y cofferdam use	during const	ruction A LIS	ACE Section 4	04 and IDEM	Section 401 I	Regional
General Po	ermit will be to the greate	required. Mitigation	on is not ant e. Avoidance	icipated to be	required. Impa	acts to Sand C	Creek have be	en
the project	from meetir	ng the purpose an	ia neea.					
to wear ap	propriate PF	s impaired for <i>E. o</i> PE, observe prope ded as a firm com	er hygiene pi	rocedures, ind	luding regular	hand washing	g, and limit pe	rsonal
stream is o	considered to	an ephemeral strope exhibit poor qua within the project	lity due to la	ck of availabl	e habitat. Ther	e is 45 linear	feet (0.005 ac	re) of UNT
		esponded on Apr t (Appendix C, C1		ndicating that	a Coast guard	l bridge permi	t or exemption	n will not be
fish, wildlift during low- passage; r cofferdams construction waterway	e, and botan -flow condition -	nded on March 8, ical resources whons are approximation and disturban, or pumparounds materials or deb (Appendix C, C7 at All applicable researce)	nere possible ate to those ce; to not co s; extend riporties to fall or to C11). Will	e; ensure the in the natural nstruct any terap below the otherwise entidlife passage	stream depth, of stream channo emporary runar normal water le er the waterwa will be mainta	channel width el; maintain a ounds, acces evel; to not de y; and apply t ined under the	, and water very quatic and will so bridges, cause posit or allowing of year reasoned and widge to the control of the control	elocities dlife useways, v estrictions for carrying Olio
OL docum	Ont.							
					Presence	Impact	<u>ts</u>	
	en Water Feat	ture(s)				Yes	No	
	Reservoirs .akes							
	arm Ponds							
	Retention/Dete	ention Basin						
		/lanagement Faciliti	es					
	Other:	idiagomont i doma						
emporary) wil	l occur to the	ture(s) identified ad features identified. gate if impacts will o	Include if feat					
Based on t E, E1 to E within or a	the desktop 11), there ar djacent to th	review, the aerial e three open wate e project area, wh Group. Therefore	maps of the er features w nich was cor	vithin the 0.5- nfirmed by the	nile search rac site visits on S	lius. There are	e no open wa	ter features
					Pres		Impacts Yes No	
Wet	lands				<u> </u>		X	
Total wetlar	nd area:	0.7	Acre	e(s) Total we	etland area impa	cted:	0.56	Acre(s)
(If a determine	ination has no	t been made for no	n-isolated/iso	lated wetlands	fill in the total w	etland area im	pacted above.)	
	44 (25	Б.: .				5	- 1	
i nis is pa	ige 14 of 38	Project name: _	Olio Road Ad	dded Travel La	nes	Date:	February 12	<u>, 2025</u>

County Ham	ilton	_ Ro	ute Olio Road	Des. No.	2101733
Wetland No.	Classification	Total Size	Impacted Acres	Comments (i.e. location, likely	Water of the US appendix
Wolland No.	Ciacomoation	(Acres)	impaotoa / toroo	reference)	vvator or the oo, appendix
Wetland 1	PEM1	0.15	0.15	Located east of Olio Road, like and F20	, , ,
Wetland 2	PEM1	0.52	0.38	Located on the west side of Oli multi-use path, not likely WOTU	JS (Appendix F, F7 and F2
Wetland 3	PEM1	0.01	0.01	Located on the east side of Olio (Appendix F, F8, and F21 to F2	22)
Wetland 4	PEM1	0.02	0.02	Located on the east side of Olio the survey area, not likely WOT F23)	
Wetlands	s (Mark all that app	oly)	<u>Document</u>	ation ESD A	pproval Dates
Wetlan	nd Determination		X		N/A
	nd Delineation		Х		N/A
USACI	E Isolated Waters	Determination			
would res Subs Subs Uniqu Subs	sult in (Mark all th tantial adverse im tantially increased ue engineering, tra	nat apply and exp pacts to adjacent project costs; affic, maintenance cial, economic, o	lain): homes, business of e, or safety problem r environmental imp		h avoidance

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.

Based on the desktop review, the aerial maps of the project area (Appendix B, B3 to B8), and the RFI report (Appendix E, E1 to E11), there are ten wetlands within the 0.5-mile search radius. There is one wetland within or adjacent to the project area, which was updated to four wetlands by the site visits on September 14, 2022, and October 30, 2023, by Lochmueller Group.

A Waters of the U.S. Determination / Wetland Delineation Report was completed for the project on January 17, 2024. Please refer to Appendix F, F2 to F12 for the Waters of the U.S. Determination / Wetland Delineation Report. It was determined that four wetland features, Wetlands 1-4, are located within the survey area. Wetland 1 has hydrologic connectivity to the White River, a traditionally navigable waterway (TNW), and therefore would likely be subject to USACE jurisdiction. Wetlands 2-4 do not have hydrologic connectivity to a TNW and therefore would not be subject to USACE jurisdiction (Appendix F, F104 to F116. The USACE makes all final determinations regarding jurisdiction.

Wetland 1 is a 0.15 acre wetland on the east side of Olio Road. As defined by *Cowardin et al.* (1979), this wetland would be classified as a palustrine, emergent, persistent (PEM1) wetland. Based on a qualitative assessment of Wetland 1, this wetland is of poor quality due to lack of available habitat. The project will permanently impact 0.15 acre of Wetland 1 to add the additional travel lanes. No temporary impacts are anticipated to Wetland 1. The wetland cannot be avoided while meeting the project purpose and need.

Wetland 2 is a 0.52 acre wetland on the west side of Olio Road south of an existing multi-use path. As defined by *Cowardin et al.* (1979), this wetland would be classified as a PEM1 wetland. Based on a qualitative assessment of Wetland 2, this wetland is of poor quality due to lack of available habitat. The project will permanently impact 0.38 acre of Wetland 2 to add the additional travel lanes. No temporary impacts are anticipated to Wetland 2. The impacts to the wetland are minimized to the greatest extent possible. The impacts cannot be avoided in order to meet the project's purpose and need. The portion of Wetland 2 that will not be impacted will be labeled on the plans as "Do Not Disturb". This is included as a firm commitment in the *Environmental Commitments* section of this CE document.

This is page 15 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County	Hamilton	Route	Olio Road	Des.	No.	2101733
wetland poor quaddition meeting Wetlan by Con Wetlan of Wetl	d 3 is a 0.01 acre wetland d would be classified as a uality due to lack of available all travel lanes. No tempo g the project's purpose and 4 is a 0.02 acre wetland wardin et al. (1979), this we d 4, this wetland is of poor and 4 to add the additional ided while meeting the productions.	PEM1 wetland. Bas ble habitat. The projection of the projection of the projection of the east etland would be classed and the projection of the east of the projection of the	ed on a qualitated will permand icipated to Wet side of Olio Rosified as a PEN of available hall mporary impactive.	tive assessment of Wently impact 0.01 acre land 3. The impacts of ad on the south end 11 wetland. Based or bitat. The project will	etland of W canno of the a qua perma	d 3, this wetland is of /etland 3 to add the t be avoided while survey area. As defined alitative assessment of anently impact 0.02 acre
impacts The ID	CE Section 404 and IDEM s, mitigation will likely be re	equired and will be o arch 8, 2023, with re	determined duri	ng permitting. s to coordinate with t	the Inc	diana Department of
	nmental Management (IDE All applicable recommend					
	Terrestrial Habitat			Presence Ye X X		ts No
Total te	restrial habitat in project area	a: <u>22.60</u>	Acre(s)	Total tree clearing: _		0.55 Acre(s)
or not impa	ypes of terrestrial habitat (i.e. acts will occur to habitat iden o avoid, minimize, and mitiga	tified. Include total ter	restrial habitat im			
Based aerial n strips of Americ sanguin maculo Approx constru water of	on a desktop review, site of naps of the project area (A) of forested area within the pan beech (Fagus grandifonalis), annual ragweed (A) osa), giant foxtail (Setaria dimately 22.60 acres of terrict the roundabout at the Colletention areas. Approximate e existing roadway and duatest extent possible, while	visits on September Appendix B, B3 to B8 project area. Dominalia). Dominant herbimbrosia artemisiifolia faberi), white clover restrial habitat will be Dlio Road and 156th ately 0.55 acre of treating the inactive bat	14, 2022, and all tree is mair ant tree species accous species all, yellow foxtai (<i>Trifolium reper</i> edisturbed to where the clearing will a season. The later intersect is season.	ntained roadside veges include silver maple is consisted of hairy or I (Setaria pumila), lad as), and tall fescue (Swiden the road, constraion, replace Bridge # occur. All tree clearing and disturbance and to	etation (Ace abgrady's the Schederuct the 29-00 g will tree cl	n, agricultural land, and r saccharinum) and uss (Digitaria umb (Persicaria conorus arundinaceus). The multi-use paths, 170, and construct the occur within 100 feet earing was minimized to
use bio clearing (Appen	NR DFW responded on Material methods for the string methods for the string time of year restrictions, dix C, C7 to C11). All apparts document.	oank stabilization wh potential mitigation	nere feasible, to requirements, a	not cut trees suitable and to use appropriat	e for b	eat roosting, apply tree sion and sediment control
This i	s page 16 of 38 Project na	ıme: Olio Road Ad	ded Travel Lanes	s	Date:	February 12, 2025

	County	Hamilton	Route	Olio Road	<u> </u>	Des. No.	2101733	
		rotected Species ederally Listed Bats Information for Planning a Section 7 informal consultat Section 7 formal consultat	ation completed (IPa	C cannot be	completed)	Yes]	No X X
	De	etermination Received for L	isted Bats from USF\	WS:	NE N	NLAA X	LAA	
	O	ther Species not included Additional federal species State species (not bird) for	found in project area			Yes		No X X
		igratory Birds Known usage or presence State bird species based u	pon coordination with			Yes		No X X
b	at and norteccurred and Based of 2023, the to the ID Heritage threaten occurred	R coordination and species hern long-eared bat impacts of the determination that was a desktop review and the IDNR Hamilton County NR DFW early coordinat Program's Database has ed, endangered, or rare her on September 8, 2022, as a 0.5-mile search radius.	s. Discuss if other feets received. Discuss if the RFI report (Appelendangered, Threation response letter is been checked annave been reported	derally listed i migratory b endix E, E1 atened and dated Mar d to date, r I to occur ir	I species were identiinds have been obset to E11), complete I Rare (ETR) Specich 8, 2023 (Appenso plant or animal so the project vicinit	fied. If so, inc. erved and any ed by Lochmusies List has be dix C, C7 to species listed y. An INDOT	lude consultinpacts. ueller Groupeen check C11), the Nas state of 0.5-mile b	up on April 10, ked. According Natural or federally nat review
	an officia Indiana b	nformation was submitted al species list was genera pat (<i>Myotis sodalis</i>).Othe oh below.	ited (Appendix C, C	17 to C24). The project is wi	thin range of	the federa	Illy endangered
	eared bate Federal Septembare only qualified and/or practice are documents.	ect qualifies for the Rang at (NLEB), dated May 201 Transit Administration (For per 29, 2024, and no evid valid for two years. If con individual must be perfor resence of birds. The res mented during this inspe commitment is included	16 (revised Februar TA), and USFWS. A lence of bats was of a struction will begin rmed. Inspection of ults of the inspection, the INDOT D	y 2018), be a bridge in a bridge in a bridge in a bridge in after Sept the structuon must inconstrict Environ	etween FHWA, Fe spection occurred appendix C, C41). ember 29, 2026, a ure should check fo licate no signs of b ronmental Manage	deral Railroa on Septembe USFWS Brid n inspection or presence coats or birds. er must be co	d Administer 14, 2022 ge/Structu of the structu of bats/bat If signs of	tration (FRA), 2 and re Assessment cture by a indicators bats or birds
	found to and verif received Avoidance	determination key was of "not likely to adversely a ied the effect finding on of from USFWS within the ce and Minimization Mea ns. AMMs and/or commit ocument.	ffect [*] the Indiana ba January 9, 2024, ar 14-day review peri sures (AMMs) inclu	at and/or the nd requeste od; therefoude tempor	ne NLEB (Appendi ed USFWS's review re, it was conclude ary and permanen	x C, C25 to C w of the findined they concu t lighting rest	C40). INDO ng. No resur with the trictions an	OT reviewed sponse was finding.
	crane (G	ial species list generated rus americana) and the r r found, except where lis	monarch butterfly (Danaus ple	exippus). The who	oping crane i	is listed as	endangered

County	Hamilton	Route	Olio Road	Des. No.	2101733
this locati candidate of this pro	vstem (https://ecos.fws.gov/ecp/sp on. Therefore, the species was no e species, which is not yet listed o bject, and the USFWS Interim Pol- within the project area. No further	ot conside r propose icy is not	ered as part of this project. The d for listing. Therefore, these applicable because there are	ne monarch b species were	utterfly is identified as a e not considered as part
species p must be in minimizat young sho nesting so nesting so construction	29-00170 over Sand Creek and the rotected under the Migratory Bird inspected for birds or signs of bird ion measures must be implement ould be removed prior to construct eason if no eggs or young are preseason (May 1 – September 7). Notion. Details of the required process y Bird Protection."	Treaty A s. If birds ed prior to tion during esent. Nes ests with e	ct (MBTA). Prior to the start of or signs of birds are found do the start of and during the right the non-nesting season (Season with eggs or young cannot eggs or young should be scre	of nesting sea uring the insp nesting seaso eptember 8 – t be removed eened or buffe	son (May 1) the structure ection avoidance and n. Nests without eggs or April 30) and during the or disturbed during the ered from active
Act, as ar	ludes the need for further consultance. If new information on endustrian on endustrian size of the contacted for c	dangered	species at the site becomes		
	Pological and Mineral Resources Project located within the Indiana Ka Karst features identified within or adje Oil/gas or exploration/abandoned we te Karst Evaluation reviewed by INDO	acent to th Ils identifie	e project area ed in the project area	Yes N/A	No X X X
iscuss respond if impacts	oject is located in the Indiana Karst Ro onse received from IGWS coordinations will occur. Include discussion of kal protection of Karst Features during Pla	on. Discus rst study/re nning and	s if any mines, oil/gas, or explora eport was completed and results. Construction guidance and coor	ation/abandone . (Karst invest rdinated and re	ed wells were identified igation must comply with eviewed by INDOT EWPO)
Based on Karst Reg According there are December project ar potential of floodway to the IDN because of wells in the	a desktop review and the Indiana gion as outlined in the most currer to the topographic map of the property to the topographic map of the property of the topographic map of the project area. Response from Indiana Gest of the topographic map of the project area. Response from Indiana outline to the project area.	a Karst Ront Protect oject area or adjace al and Wa e IGWS re potential n the proj onse was of the con	egion map, the project is loca ion of Karst Features during I a (Appendix B, B2), and the Fent to the project area. In the ter Survey (IGWS) did not incesponse indicated a moderate for sand and gravel resources ect area. An early coordination received. The petroleum expestruction limits. Survey and field	ted outside the Project Development (Apearly coordination dicate that kare liquefaction is. The respondent letter was soloration wellseld investigated.	ne designated Indiana copment and Construction opendix E, E1 to E11), ation response dated rest features exist in the potential, a high ase also indicated a sent on February 6, 2023 is will not be affected ions did not identify any
This is n	age 18 of 38 Project name: Oli	io Pood A	ddad Traval Lange	Data	February 12, 2025

County	Hamilton	Route	Olio Road		Des. No.	2101733
SECTION	N C – OTHER RESOURCES					
Dr	inking Water Resources Wellhead Protection Area(s) Source Water Protection Area(s) Water Well(s) Urbanized Area Boundary Public Water System(s)			Presence X X X X X	Yes	Acts No X X X X X
ls	the project located in the St. Joseph S If Yes, is the FHWA/EPA SSA MOU If Yes, is a Groundwater Assessmen	Applicable	?	:	Yes	No X

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.

Sole Source Aquifer

The project is located in Hamilton 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/Environmental Protection Agency (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

The Indiana Department of Environmental Management's Wellhead Proximity Determinator website (http://www.in.gov/idem/cleanwater/pages/wellhead/) was accessed on July 16, 2024, by Lochmueller Group. The project is not located within a Wellhead Protection Area. The project is located within a Source Water Area. The features will not be affected because the maximum depth of excavation is anticipated to be 18 feet for the bridge replacement. The project will comply with the Source Water Assessment Program.

Water Wells

The IDNR Water Well Record Database website (https://www.in.gov/dnr/water/3595.htm) was accessed on July 16, 2024, by Lochmueller Group. One well is mapped in the project area but is actually located approximately 150 feet east of the construction limits. The feature will not be impacted because it is outside of the construction limits. Therefore, no impacts are expected. Should it be determined during the right-of-way phase that these wells will be affected, a cost to cure will likely be included in the appraisal to restore the wells.

Urban Area Boundary

Based on a desktop review of the MS4s Boundaries Map for Indiana (https://www.arcgis.com/apps/webappviewer/index.html?id=d6162b97f8a64df4877e1ad5cbaa2882) by Lochmueller Group on July 16, 2024, this project is located in an Urban Area Boundary (UAB). An early coordination letter was sent on February 6, 2023, to the Hamilton County MS4 Coordinator and on July 16, 2023, to the Noblesville MS4 Coordinator by Lochmueller Group. The MS4 coordinators did not respond within the 30-day time frame. All required stormwater management control best management practices (BMPs) will be installed, inspected, maintained, and subsequently removed for all earth disturbing activity areas. These items will follow INDOT Standard Specifications for Stormwater Management.

Public Water System

Based on a desktop review, site visits on September 14, 2022, and October 30, 2023, by Lochmueller Group, the aerial maps of the project area (Appendix B, B3 to B8), and the design plans (Appendix B, B25 to B94), this project is located where there is a public water system. Indiana American Water is planning to construct new water lines within the project

This is page 19 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County	Hamilton		Route	Olio Road		Des. No.	2101733	
		ween Indiana An Il not impact the			•		continue throug	h final
FI	loodplains Project locate Longitudinal e Transverse er Homes locate	d within a regulated	d floodplain in 1000' up/dov		Prese	ence Ye		
	evel 1	Level 2	Level	3	Level 4	Level 5		
according to during desig	the classification to insure con-	formation Portal to on system. If encro sistency with the lo	oachment on a ocal flood plain	flood plain will planning.	occur, coordin	nate with the Loc		
(<u>https://ir</u> Lochmud determin	ndnr.maps.arc eller Group on ned from appro y 6, 2023, to th	eview of the IDNF gis.com/apps/we November 15, 2 oved IDNR floodp ne local Floodpla	ebappviewer/i 2023, and the plain maps (A	ndex.html?id RFI report, th ppendix F, F	= <mark>05026dabc2</mark> iis project is le Land F17). A	2e8461983e196 ocated in a reg .n early coordin	ulatory floodpla ation letter was	ain as s sent on
Category	y 4 projects ar	d five (5) categor e projects involvi rent INDOT CE I	ng replaceme	ent of existing				
	located within capacity such be no substan in flood risks;	No homes are lo the base floodpl that backwater s tial adverse impa and there will be tergency evacua	ain within 1,0 urface elevati cts on natura no substanti	000 feet dowr ons are not e I and benefici al increase ir	stream. The xpected to su al floodplain v potential for	proposed structured increased with the proposed structure	cture will have ease. As a resull be no substartermination of	an effective ult, there will ntial change emergency
construc	tion in a flood	onded on March Iway pursuant to 1). No mitigation	the Flood C	Control Act (I				
Fa	armland Agricultural La Prime Farmlai	ands nd (per NRCS)			Presence X X		Impacts Yes No X X]
		om Section VII of C see CE Manual for gu)06*)	147			
Discuss exis considered.	sting farmland r	esources in the pro	oject area, impa	acts that will oc	cur to farmland	d, and mitigation	and minimizatioi	า measures
This is	page 20 of 38	Project name:	Olio Road Ad	dded Travel La	nes	Date:	February 12,	, 2025

County Hamilton	Route O	Dlio Road	Des. No.	2101733		
Based on a desktop review, site viaerial maps of the project area (Apfarmland Protection Policy Act. And Department of Agriculture (USDA) in a score of 147 on the NRCS-CF the NRCS coordination is greater to used during early coordination. NR consideration of alternatives is 160 unique, statewide, or local importations.	ppendix B, B3 to B8), in early coordination let Natural Resources C PA-106 (Appendix C, Chan in the ROW table CCS's threshold score D. Since this project sont farmland will result	the project will converted the project will converted the project was sent on Febriconservation Service (C15 to C16). The acress of this document becar for significant impactions is less than the the from this project. No	t 25.6 acres of fauary 6, 2023, to NRCS). Coordin tage of farmland cause a conservate to farmland that the shold, no signal ternatives othe	armland as defined by the the United States ation with NRCS resulted conversion discussed in ative ROW estimate was at result in the ifficant loss of prime, or than those previously		
SECTION D – CULTURAL RESO	URCES					
Cate Minor Projects PA	egory(ies) and Type(s)		INDOT Approva	I Date(s) N/A		
Full 106 Effect Finding No Historic Properties Affec	cted No Ad	dverse Effect X	Adverse Effect			
Eligible and/or Listed Resources Present NRHP Building/Site/District(s) X Archaeology NRHP Bridge(s)						
Documentation Prepared (man APE, Eligibility and Effect De 800.11 Documentation Historic Properties Report or Archaeological Records Che Archaeological Phase Ia Sur Archaeological Phase Ic Sur Other:	Short Report ck and Assessment vey Report	X November 1 X November 1 X July 19, 2 X May 5, 2 X May 5, 2	9, 2024 De 9, 2024 De 2023 A	D Approval Date(s) cember 20, 2024 cember 20, 2024 cugust 21, 2023 cugust 21, 2023 cugust 21, 2023		
Memorandum of Agreement	(MOA)	MOA Signatu	re Dates (List all s	signatories)		
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.						
Area of Potential Effect (APE): The APE for this project encompasses all resources immediately adjacent to the project area and those that may not be immediately adjacent but that have a proximate viewshed of the project area. The project area encompasses the area required to support the purpose and need of the project. Due to the flat nature of the area, a 1000-foot buffer from the project area was used as the APE to encompass all proposed activities and their effects to adjacent properties. The Archaeological APE is defined as the 19.65-hectares survey area approximately 1.8 kilometers in length encompassing Olio Road and all intersections within the project limits investigated for the presence of archaeological resources. See Appendix D, D16 to D18 for maps of the project area and APE.						
This is page 21 of 38 Project nam	ne: Olio Road Added	d Travel Lanes	Date:	February 12, 2025		

County	Hamilton	Route	Olio Road	Des. No.	2101733

Coordination with Consulting Parties:

Consulting parties were identified in accordance with the INDOT Cultural Resources Manual. Early coordination was initiated with an email to potential consulting parties and uploaded to INDOT's Section 106 Consultation and Outreach Portal Enterprise (IN SCOPE) on November 10, 2022, (Appendix D, D54 to D60 as listed below, with a letter inviting organizations and individuals to be consulting parties. A copy of the Historic Property Report (HPR) and the Phase Ia archaeological reconnaissance report were uploaded to IN SCOPE for viewing by potential consulting parties on July 19, 2023. The following is a list of invited organizations and individuals and the date of their response. Those who indicated they wished to serve as consulting parties are in bold. Please note, INDOT acts on behalf of the FHWA, the lead federal agency, and the State Historic Preservation Officer (SHPO) is considered an automatic consulting party and therefore is not listed below.

Section 106 Invited Consulting Parties	Date of Response
State Historic Preservation Officer	December 8, 2022
Hamilton County Commissioners	No Response
Hamilton County Highway Engineer	No Response
Hamilton County Historian	No Response
Hamilton County Historical Society	No Response
Noblesville Preservation Alliance	No Response
Indiana Landmarks, Central Regional Office	December 20, 2022
Mayor of Noblesville	No Response
Indianapolis Metropolitan Planning Organization	No Response
Noblesville City Engineer	No Response
Noblesville Common Council	No Response
Hamilton County Council	No Response
Paul & Nancy Radcliff	No Response
Heritage LLP	No Response
Delaware Nation of Oklahoma	December 20, 2022
Delaware Tribe of Indians	November 12, 2022
Eastern Shawnee Tribe of Oklahoma	December 19, 2022
Miami Tribe of Oklahoma	November 17, 2022
Peoria Tribe of Indians of Oklahoma	No Response
Pokagon Band of Potawatomi Indians	No Response
Shawnee Tribe	August 30, 2023

In an email dated November 12, 2022, the Delaware Tribe of Indians responded to the early coordination letter stating, "... we determined that there are no known religious or culturally significant sites within the selected project area. We have no objection to the proposed project." See Appendix D, D61 to D62 for a copy of this communication.

In a letter dated November 17, 2022, the Miami Tribe of Oklahoma responded to the early coordination letter stating that, "[t]he Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site." See Appendix D, D63 for a copy of this communication.

In a letter dated December 8, 2022, the SHPO staff responded to the early coordination letter suggesting two additional consulting parties that they thought should be invited to participate including the Noblesville Common Council and the Hamilton County Council. In that same letter, the SHPO staff asked that property owners be invited as soon as possible if right-of-way is planned to be taken from adjacent historic properties. See Appendix D, D64 to D65 for a copy of this communication. An early coordination email was sent to the Noblesville Common Council and the Hamilton County Council on December 20, 2022. See Appendix D, D67 to D68 for a copy of this communication.

In a letter dated December 19, 2022, the Eastern Shawnee responded to the early coordination letter stating, "... the project proposes No Adverse Effect or endangerment to known sites of interest to the Eastern Shawnee Tribe." See Appendix D, D66 for a copy of this communication.

This is page 22 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County	Hamilton	Route	Olio Road	Des. No.	2101733	
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In an email dated December 20, 2022, Indiana Landmarks (Central Regional Office) accepted consulting party status for the proposed project. See Appendix D, D69 to D73 for a copy of this communication.

In a letter dated December 20, 2022, the Delaware Nation of Oklahoma responded to the early coordination letter stating, "... the proposed project should have no adverse effect on any known cultural or religious sites of interest to the Delaware Nation." See Appendix D, D74 for a copy of this communication.

Archaeology:

A Phase la archaeological reconnaissance survey was conducted by Cultural Resource Analysts, Inc. (CRA) between December 5 and 8, 2022. The field reconnaissance yielded four previously undocumented sites within or adjacent to the survey area: 12H1974-12H1977. All four sites are historic scatters associated with structures appearing on historic maps. More specifically, Site 12H1974 dates to the twentieth century, Sites 12H1975 and 12H1976 date between the late nineteenth and twentieth centuries, and Site 12H1977 dates between the mid-nineteenth and early twentieth centuries. For sites 12H1974, 12H1975, and 12H1977, these sites lack the ability to yield important information and are not recommended eligible for the National Register of Historic Places (NRHP). No further archaeological investigation is recommended for sites 12H1974, 12H1975, and 12H1977. For Site 12H1976 the majority of the site has a lack of research potential but one small area at Site 12H1976 had an anomalous shovel test, which could represent an intact sub-plow zone feature, and it is recommended that that specific area of the site be avoided by ground disturbing activities that may go deeper than 17 centimeters (cm). That small portion of Site 12H1976, is located outside the construction limits for the current undertaking. See Appendix D, D107 to D108 for a summary of the Phase la archaeological reconnaissance survey.

In a letter dated August 21, 2023, the SHPO staff concurred with the conclusions in the Phase 1a archaeological investigation report. SHPO staff did ask that the survey area for site 12H1976 be clearly marked on the plans so that the unsurveyed portion is avoided by all ground-disturbing activities. In addition, SHPO staff asked for additional clarification between conflicting wording used in the Phase Ia archaeology report and the distribution letter. They requested to know if site 12H1976 will be avoided by all construction activities or if a certain depth of excavation will be allowed within its boundaries. See Appendix D, D82 to D84 for a copy of the communication.

In regard to the questions SHPO asked in their letter dated August 21, 2023, it should be noted that the report distribution letter that accompanied the HPR and Phase Ia archaeology report was incorrect in noting that, "For Site 12H1976 it is recommended that no work deeper than 17 cm below ground level occur or the area will require additional work." It should have stated that based on the recommendations made by Cultural Resource Analysts Inc. (CRA), that the majority of Site 12H1976 has a lack of research potential but that one small area at Site 12H1976 had an anomalous shovel test, which could represent an intact sub-plow zone feature, and it is recommended that specific area of the site be avoided by ground disturbing activities that may go deeper than 17 centimeters (cm). In addition, that portion of the site is outside the construction limits for the project. No ground disturbing activities will occur near that area. The location will be marked for avoidance on the plans and in the field during construction. This has been included as a firm commitment in the *Environmental Commitments* section of this document.

In a letter dated August 2, 2023, the Miami Tribe of Oklahoma responded to the HPR and Phase Ia archaeology report stating, "[t]he Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site." See Appendix D, D81 for a copy of the communication.

In an email dated August 30, 2023, the Shawnee Tribe responded to the HPR and Phase Ia archaeology report stating that, "[t]he Shawnee Tribe's Tribal Historic Preservation Department concurs that no known historic properties will be negatively impacted by this project." See Appendix D, D85 for a copy of the communication.

An addendum to the Phase Ia archaeological reconnaissance survey was prepared by Cultural Resource Analysts, Inc. (CRA) on August 5, 2024 (Appendix D, D109 to D111). No archaeological materials were found in the survey area.

This is page 23 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County	Hamilton	Route	Olio Road	Des. No.	2101733	
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Historic Properties:

The NRHP, Indiana Register of Historic Sites and Structures (State Register), the State Historic Architectural and Archaeological Research Database (SHAARD), the Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBCM), and the Indiana Historic Sites and Structures Inventory (IHSSI) were consulted prior to and following the field review. Hamilton County was surveyed between 1990 and 1991 for the IHSSI. The resulting *Hamilton County Interim Report* (1992) was also reviewed. No resources already listed in the NRHP were located within the APE. One previously surveyed resource that appears in the Interim Report is located within the APE: IHSSI #057-541-40032 (Farm, Contributing). No cemeteries are located within the APE for this project.

The Indiana Historic Bridge Inventory Volume 2: Listing of Historic and Non-Historic Bridges (February 2009) by Mead & Hunt was reviewed. No bridges eligible for listing in the NRHP are located within the project area.

Gary Francis Quigg, Lochmueller Group historian who meets the Secretary of the Interior's Professional Qualification Standards, performed a site inspection of the project area on December 20, 2022, and documented resources that will be at least 50 years of age at the time of the project letting within the APE. The APE was investigated for the existence of any historic properties, structures, objects, or districts listed in or eligible for listing in the NRHP. The historians walked the APE, taking photographs of all resources meriting a Contributing or higher rating. Non-Contributing resources or those that did not meet the age requirements were noted but not documented other than in general view photographs. Within the APE is one previously surveyed property that appears in the *Interim Report*. Four newly identified aboveground resources were recorded within the APE. One previously surveyed IHSSI property that is no longer extant was located within the APE.

An HPR, based on the results of the December 20, 2022, aboveground field survey, was completed (Blad, July 19, 2023) and provided NRHP boundaries for the two recommended NRHP-eligible properties: Wiseman Farm (IHSSI #057-541-40032) and Hair-Whitaker Farm (Lochmueller #4). Please see Appendix D, D104 to D106, for a summary of the HPR.

In a letter dated August 21, 2023, the SHPO staff concurred with the conclusions in the HPR, noting that, "[t]he area of potential effects ("APE") proposed in the HPR appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature could occur" (Appendix D, D82 to D84). They also noted they agreed the Wiseman Farm at 15315 Olio Road (IHSSI #057-541-40032) and the Hair-Whitaker Farm at 15822 Olio Road (Lochmueller #4) are eligible for listing in the NRHP.

No additional comments were received from consulting parties regarding HPR or Phase Ia.

Documentation Findings:

On November 19, 2024, INDOT, acting on behalf of the FHWA, issued a finding of "No Adverse Effect" for the project (Appendix D, D1 to D14). The project will involve impacts to an NRHP eligible property, Wiseman Farm (IHSSI #057-541-40032). The impacts will include the acquisition of 0.01 acre of temporary ROW, 0.09 acre of permanent ROW, and encroachment on the recommended NRHP boundary. No impacts to the fence line and no installation of lighting will occur. The project will have "No Adverse Effect" to this resource because the proposed changes will not alter the Wiseman Farm in a manner that would diminish its historic integrity or its eligibility for listing in the NRHP. The supporting 800.11(d) document and finding were sent to consulting parties on November 20, 2024 (Appendix D, D97 to D100). The SHPO concurred with the "No Adverse Effect" finding on December 20, 2024 (Appendix D, D101 to D102). The SHPO requested that if lighting becomes a part of the project, or future projects, that their office be provided with the updated information as this may add to the visual impacts of the project on the Wiseman Farm (IHSSI #057-541-40032). This is included in the *Environmental Commitments* section of this document.

Public Involvement:

To meet the public involvement requirements of Section 106, a legal notice of FHWA's finding of "No Adverse Effect" was published in the *Hamilton County Reporter* on November 25, 2024 offering the public the opportunity to submit comment pursuant to 36 CFR 800.2(d), 800.3(e), and 800.6(a)(4). The public comment period closed 30 days later on December 24, 2024. No comments were received within the public comment period. The text of the public notice and

This is page 24 of 38	Project name:	Olio Road Added Travel Lanes	Date: February	12, 2025

County	Hamilton	Route C	Olio Road	Des	s. No.	2101733
	vit of publication appear in Apper			of the FHWA und	der Sec	tion 106 have been
Tullinou.						
SECTION	N E – SECTION 4(f) RESOURCE	S/ SECTION	I 6(f) RESOUR	CES		
Publicly Publicly Other (Wildlife an Nationa Nationa State V State N Historic F	d Other Recreational Land y owned park y owned recreation area school, state/national forest, bikeway nd Waterfowl Refuges al Wildlife Refuge al Natural Landmark Vildlife Area lature Preserve Properties gible and/or listed on the NRHP	, etc.)		Use No		
		<u>Evalua</u> <u>Prepa</u>				
"De mir Individu	mmatic Section 4(f) nimis" Impact ual Section 4(f) ception included in 23 CFR 774.13) 				
must be inclu F <u>HWA has ic</u>	grammatic Section 4(f) and "de minim uded in the appendix and summarized dentified various exceptions to the rec	d below. Disci quirement for S	uss proposed alte Section 4(f) appro	ernatives that satist oval. Refer to 23 CF	fy the red FR § 774	quirements of Section 4(f). 1.13 - Exceptions.
for federa	I(f) of the U.S. Department of Tranally funded transportation facilities to publicly owned parks, recreation regardless of ownership. Lands	unless there areas, wildl	e is no feasible life / waterfowl r	and prudent alter efuges, and NRF	rnative. HP eligil	The law applies to ble or listed historic
E1 to E1	n a desktop review, the aerial map 1), there is one potential 4(f) reso owned recreational property and	urce located	within the 0.5-n	nile search radius	s. Ruoff	

According to the HPR, two recommended NRHP-eligible properties: Wiseman Farm (IHSSI #057-541-40032) and Hair-Whitaker Farm (Lochmueller #4) are located within the APE. The project will convert property from the Wiseman Farm (IHSSI #057-541-40032), a Section 4(f) historic property, to a transportation use; INDOT, acting on FHWA's behalf has determined the appropriate Section 106 finding is "No Adverse Effect". The project qualifies for the MOU between FHWA-Indiana Division, the Indiana SHPO, and INDOT dated January 2, 2020. The MOU stipulates that FHWA intends to determine Section 4(f) de minimis use on historic properties for projects in which SHPO has concurred with a finding of "No Adverse Effect" or "No Historic Properties Affected." The Section 4(f) MOU satisfies the notification requirements specified in 23 CFR 774 for all projects where there is a determination of "No Adverse Effect" or that there are "No Historic Properties Affected" associated with a Section 4(f) historic property except those that are also National Historic Landmarks (NHLs). Therefore, FHWA hereby intends to issue a "de minimis" finding for the Wiseman Farm (IHSSI

This is page 25 of 38 Project name: Olio Road Added Travel Lanes Date: February 12, 2025

County	Hamilton	Route	Olio Road		Des. No.	2101733	
#057-54 ² historic p	1-40032), pursuant to SAFETEA-L property.	U, thereb	y satisfying FH	WA's responsib	ilities unde	r Section 4(f) f	or this
transport	ect will not convert property from F tation use; INDOT, acting on FHW Effect"; therefore, no Section 4(f)	A's behal	f has determine	d the appropria	te Section	106 finding is '	
Se	ection 6(f) Involvement			Presence		Use	
Se	ection 6(f) Property					Yes No	<u>, </u>
will occur, di	ction 6(f) resources present or not pres						
which wa	 Land and Water Conservation Fu as created to preserve, develop, and ibits conversion of lands purchase 	nd assure	accessibility to	outdoor recrea	tion resour		
	or of 6(f) properties on the INDOT E e of these properties are located wes.						
SECTIO	N F – Air Quality						
ls Is	TIP/TIP and Conformity Status of the the project in the most current STIP/T the project located in an MPO Area? the project in an air quality non-attaint Yes, then: Is the project in the most current MPO Is the project exempt from conformity If No, then: Is the project in the Transportation Is a hot spot analysis required (Conformity)	TIP? ment or ma O TIP? /? n Plan (TP)		Yes X X X X	No		
Lo	ocation in STIP:		_	Amendment 24-1			
Na	ame of MPO (if applicable):		_	Indianapolis Met Organization	ropolitan Pla	inning	
Lo	ocation in TIP (if applicable):		-				
Le	evel of MSAT Analysis required?						
Le	evel 1a Level 1b Level 1b	evel 2	X Level 3	Level 4	Level 5		
located. Indi	he project is listed in the STIP and if it icate whether the project is exempt fro TIP. Describe if a hot spot analysis is r	m a confor	mity determination	n. If the project is			
This is	page 26 of 38 Project name: OI	io Road Ac	lded Travel Lane	s	Date:	February 12	. 2025

Version: December 2021

County	Hamilton	Route	Olio Road	Des. No.	2101733	

STIP/TIP

This project is included in Amendment 24-10.2 of the Fiscal Year (FY) 2024-2027 Indianapolis Metropolitan Planning Organization Transportation Improvement Program (IMPO TIP) and Statewide Transportation Improvement Program (STIP) (Appendix H, H1 to H2). Amendment 24-10.2 is currently pending approval; this document will be updated once the amendment is approved.

Attainment Status

This project is located in Hamilton County, which is currently a maintenance area for Ozone, under the 1997 Ozone 8-hour standard which was revoked in 2015 but is being evaluated for conformity due to the February 16, 2018, *South Coast Air Quality Management District V. Environmental Protection Agency, Et. Al. Decision.* The project's design concept and scope are accurately reflected in both the IMPO Transportation Plan (TP) and the TIP and both conform to the State Implementation Plan (SIP). Therefore, the conformity requirements of 40 CFR 93 have been met.

MSAT

In addition to the criteria air pollutants for which there are National Ambient Air Quality Standards (NAAQS), EPA also regulates air toxics. Most air toxics originate from human-made sources, including on-road mobile sources, non-road mobile sources (e.g. airplanes), area sources (e.g. dry cleaners), and stationary sources (e.g. factories or refineries).

Mobile Source Air Toxics (MSATs) are a subset of the 188 air toxics defined by the Clean Air Act. The MSATs are compounds emitted from highway vehicles and non-road equipment. Some toxic compounds are present in fuel and are emitted to the air when the fuel evaporates or passes through the engine unburned. Other toxics are emitted from the incomplete combustion of fuels or as secondary combustion products. Metal air toxics also result from engine wear or from impurities in oil or gasoline.

The EPA is the lead Federal Agency for administering the Clean Air Act and has certain responsibilities regarding the health effects of MSATs. The EPA has issued a Final Rule on Controlling Emissions of Hazardous Air Pollutants from Mobile Sources (66 FR 17229 – March 29, 2001). This rule was issued under the authority in Section 202 of the Clean Air Act. In its rule, the EPA examined the impacts of existing and newly promulgated mobile source control programs, including its reformulated gasoline (RFG) program, its national low emission vehicle (NLEV) standards, its Tier 2 motor vehicle emissions standards and gasoline sulfur control requirements, and it proposed heavy duty engine and vehicle standards and on-highway diesel fuel sulfur control requirements.

Technical shortcomings of emissions and dispersion models and uncertain science with respect to health effects prevent meaningful or reliable estimates of MSAT emissions and effects of this project. However, even though reliable methods do not exist to accurately estimate the health impacts of MSATs at the project level, it is possible to qualitatively assess the levels of future MSAT emissions under the project. Although a qualitative analysis cannot identify and measure health impacts from MSATs, it can give a basis for identifying and comparing the potential differences among MSAT emissions – if any – from the various alternatives. The qualitative assessment presented below is derived in part from a study conducted by the FHWA entitled "A Methodology for Evaluating Mobile Source Air Toxic Emissions among Transportation Project Alternatives" found at:

https://www.fhwa.dot.gov/ENVIRonment/air_quality/air_toxics/research_and_analysis/mobile_source_air_toxics/msatemission4.cfm.

For the preferred alternative carried forward in this document, the amount of MSATs emitted would be proportional to the vehicle miles traveled (VMT) assuming that other variables such as fleet mix are the same for each alternative. The VMT estimated for the preferred alternative carried forward is indistinguishable from the No Build Alternative because the increase in projected traffic is due to planned development which will occur independent of this project.

Based on regulations now in effect, an analysis of national trends with EPA's MOVES3 model forecasts a combined reduction of over 76 percent in the total annual emissions rate for the priority MSAT from 2020 to 2060 while vehicle-miles of travel are projected to increase by 31 percent (Updated Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents, Federal Highway Administration, January 18, 2023). This will both reduce the

This is page 27 of 38 Project name: Olio Road Added Travel Lanes Date: February 12, 202)25	;
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County	Hamilton	Route	Olio Road	Des. No.	2101733	

background level of MSAT as well as MSAT emissions from this project. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. However, the magnitude of the EPA projected reductions is so great (even after accounting for VMT growth) that MSAT emissions in the project area are likely to be lower in the future in nearly all cases.

In this document, the FHWA has provided a quantitative analysis of MSAT emissions relative to the preferred alternative carried forward, and has acknowledged that the preferred alternative may result in increased exposure to MSAT emissions in certain locations, although the concentrations and duration of exposures are uncertain, and because of this uncertainty, the health effects from these emissions cannot be estimated.

The additional travel lanes proposed as part of the project alternatives will have the effect of moving some traffic closer to nearby homes, schools, and businesses; therefore, there may be localized areas where ambient concentrations of MSATs could be higher under the preferred alternative than the No Build Alternative. However, as discussed before, the magnitude and the duration of these potential increases compared to the No Build Alternative cannot be accurately quantified due to the inherent deficiencies of current models.

Greenhouse Gases (GHG)

This analysis was performed for this project prior to the issuance of recent Executive Orders (EO) from January 2025, including EO 14154, EO 14148, and EO 14173. As such, this analysis is included for transparency but is no longer applicable to the impacts analysis for federal projects and this impact was not considered in the federal decision.

The Council on Environmental Quality's (CEQ) GHG interim guidance (https://www.regulations.gov/document/CEQ-2022-0005-0001) was reviewed and considered in the following greenhouse gas emissions analysis. The intent of the guidance is to consider a proposed project's effects on GHG emissions to ensure that FHWA projects do not have any negative impacts to GHG and how the selected alternative will improve GHG emissions.

As discussed in the Purpose and Need section above, increased traffic congestion is expected between 146th and 156th Street due to the planned developments of Finch Creek, Gatewood Lakes, and the Noblesville Event Center. Development of the area is anticipated to decrease the LOS from a B to an E by 2045. This deterioration of LOS is anticipated to increase the amount that vehicles are decelerating and accelerating, as well as potential to result in longer travel and idle times for vehicles moving through this area.

The purpose of this project is to address the inadequate capacity within the Olio Road corridor between 146th Street and 156th Street and obtain a minimum acceptable LOS of D for this portion of Olio Road and the 156th and Olio Road intersection during the design year of 2045. Therefore, the project intends to address projected increased vehicular traffic in this area of Noblesville. It is anticipated the project's improvements to capacity and LOS will result in a reduction of GHG emissions due to the reduction of anticipated deceleration/acceleration conditions and potential idle times from projected congestion.

The no build alternative would not meet the purpose and need for this project and would result in an increase in GHG emissions due to projected vehicular congestion. During construction, there may be a minor temporary increase of GHG emissions due to the increase of heavy trucks moving construction material to and from the site, as well as the operation of construction equipment. Additionally, the temporary reduction of travel lanes on Olio Road and detour may increase GHG emissions due to deceleration/ acceleration of vehicles. However, these temporary increases would cease upon completion of the project. The no build alternative would not result in construction emissions, since there would be no construction effort compared to the preferred alternative. These temporary increases of GHG emissions from construction would be minor and do not outweigh the overall anticipated reduction in GHG emissions by the project. The above analysis indicates the project is anticipated to improve capacity and LOS, which will result in a reduction of GHG emissions due to the reduction of anticipated deceleration/acceleration conditions and potential idle times from projected congestion.

This is page 28 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

County Hamilton	Route	Olio Road	Des. No.	210173	3	
In addition to GHG emissions, climate char Indianapolis MPO's Central Indiana Region underway/regional-resiliency-snapshot), fact threats, including flooding, severe weather, can exacerbate the severity or frequency of threats that have the highest probability and most probable climate change related threat precipitation and flooding due the proximity improved drainage and detention was construnted that roadways that will be constructed with only minor impacts.	nal Resilie cilities in a extreme f these th d impacts at for this of Sand sidered th ured by d	ency Snapshot (central Indiana reats, or a combount of the central project would be creek and its trivioughout designations).	https://www.indympo.org/ may be located in areas signation of threats. Addition form, flooding, and related andiana region where this assevere weather that resignation but aries. As this project was designed and stormwater detention	whats- usceptible nally, clim severe w project is ults in incr vas develor ed to allow ponds (d	e to verallate of the control of the	various change er are ted. The ed , ter to onds)
SECTION G - NOISE						
Noise				Yes	3	No
Is a noise analysis required in accordance	ce with FH	WA regulations a	nd INDOT's traffic noise poli	cy? X		
Date Noise Analysis was approved/tech	nically suff	icient by INDOT E	ESD: Februar	y 2, 2024		
Describe if the project is a Type I or Type III project were identified. If noise impacts were identified, describe identified. If noise impacts were identified, described on the studies completed to date, receptors (Appendix I, I16 to I88). The proposition of the project in the design year. The noise based on distribution and clustering of Cate the proposed travel lanes were included in the and includes three single family residentiate encompasses approximately 24.8 acress Noblesville Fire Station 77 (Category F) and and includes two single family residential probetween 146th Street and 156th Street. To go area, 13 receptor data points were included one Category F receptor (Noblesville Fire predicted levels range from 47.5 dB(A) at dB(A) at two different residences (15411 Oli predicted that there would be no Category dB(A) NAC threshold) for any of the twelve. This noise analysis was based on preliminate technically sufficient (Appendix I, I89). INDO for local agency projects. However, INDO guidelines and state policy. A reevaluation been determined that conditions have charthat time as to whether it is feasible and real upon completion of the environmental documit by the environmental preparer and/or manufactured.	escribe if an Lochmue based Olio m (TNM 2 analysis egory B (rather respectation) and including the word reperties defended in the Table Station the most io Road and B Noise are sidence ary design of the noinged and asonable.	batement is feasible batement is feasible ller Group has Road lane confict. 5) using 2045 project area was esidential) proportive NSA boundaties (Category II) des seven singular seven side of Olio (Category B) alcoment 2.5 set up. 77) within the distal residence and 15012 Olio RAbatement Crite es evaluated. An oriteria. INDOT of provide compassessed that the se analysis will a noise impacts ase, the noise sides.	ole and reasonable and inclusion identified that the project gurations and 156th Street beak hour traffic volumes is subdivided into three not erties. All potential noise rearies. NSA 1 encompasses along 156th Street nor gle family residential program. NSA 3 encompasses in the east side of Olio Reall potential noise sensitive. There are 12 Category Entree designated NSAs. It is to Olio Road along 156th and NSA 3 encompasses in the east side of Olio Reall potential noise sensitive. There are 12 Category Entree designated NSAs. It is to Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 3 encompasses in the east of NSA 2 and NSA 3 encompasses in the east of NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the east side of Olio Road along 156th and NSA 3 encompasses in the	de a stater will resu roundabe to predict ise sensit eceptors es approx th of Sar perties (0 es approx ca approx ca receptor B resident Collectiv th Street respectiv ach or grant was no analysis a s provide n accorda If during the	ment It in but we the I ive a within imat in Category in NS vely. The and I is a second in a second in I be coun	of likelihood. no impacted rere modeled Leq(h) levels areas (NSAs) n 500-foot of ely 8.7 acres reek. NSA 2 gory B) and ely 4.9 acres ately midway hin the study eceptors and 2045 Leq(h) SA 1 to 61.7 The analysis r than the 67 aluated. Found it to be noise studies with federal design it has evaluated at ty's planning

This is page 29 of 38 Project name: Olio Road Added Travel Lanes

Date: February 12, 2025

County	Hamilton	Route	Olio Road	Des. No.	2101733		_
be copie	ed on this corresponder	nce. This is included in	n the <i>Environmen</i>	tal Commitments section	of this do	cument.	
SECTIO	ON H – COMMUNITY IN	ИРАСТS					
F	Regional, Community & I	Neighborhood Factors			Yes	No	
V	Vill the proposed action co	omply with the local/region	onal development p	atterns for the area?	X		
V	Vill the proposed action re	sult in substantial impac	cts to community co	hesion?		X	
V	Vill the proposed action re	sult in substantial impac	cts to local tax base	or property values?		Х	
V	Vill construction activities i	impact community event	ts (festivals, fairs, et	tc.)?	X		
	Does the community have	an approved transition p	olan?	·	X		
		nade to advance the cor		plan?			
	oes the project comply w	ith the transition plan? (explain in the discus	ssion below)	Х		

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 MOT for the project will require phased construction and detours. The widening along Olio Road will occur in two phases. Phase 1 will involve construction along Olio Road from 146th Street to approximately 0.65 mile north of 146th Street. Phase 2 will involve construction along Olio Road from 0.65 mile north of 146th Street to 156th Street. The intersection improvement and bridge replacement will require the closure of the intersection and Bridge #29-00170 during construction. The detour route will utilize Boden Road, 146th Street, and Prairie Baptist Road (Appendix B, B30 to B31, B69, and B90). Refer to the *MOT During Construction* section for more information.

The project will result in temporary inconveniences to local business and property owners due to the MOT and permanent impacts due to loss of strip ROW. However, the project will ultimately be beneficial to local business and properties due to addressing the inadequate capacity of Olio Road. Overall, the negative impacts to property owners and local businesses within the project area will consist primarily of short-term construction impacts. No relocations are anticipated. Property owners will be provided access throughout the duration of the project to reduce impacts as much as possible. The project is not anticipated to result in substantial impacts to community cohesion, because it will not change access to properties in the area. The project is not expected to impact the surrounding community or cause economic impacts to the surrounding area. Therefore, this project will have minimal or no negative impacts to the community or local economy.

According to the Indiana Festivals website (www.indianafestivals.org) accessed on July 22, 2024, by Lochmueller Group there are six festivals planned within 10 miles of the project. The festivals, listed below, are primarily in western and downtown Noblesville and the project is located in eastern Noblesville.

- Welcome to Fairyville is located in downtown Noblesville, approximately 5 miles from the project area. The festival is an annual event occurring in April (https://noblesvillecreates.org/fairyville/).
- The Indiana Gospel Music Festival is located at the Hamilton County Fairgrounds, approximately 6 miles from the project area. The festival is an annual event occurring in July (http://www.igmfonline.org/).
- Art Fair on the Square is located at the Noblesville Courthouse Square, approximately 6.5 miles from the project area. The fair is an annual event occurring in August (https://www.hcaa-in.org/art-fair-on-the-square).
- Russell Farms Country Fall Festival is located at Russell Farms, approximately 6 miles from the project area. The festival is an annual event occurring from September to October (https://www.russell-farms.com/).
- The Potter's Bridge Fall Festival is located at Potter's Bridge Park, approximately 8 miles from the project area.
 The festival is an annual event occurring in October (https://hamiltoncounty.in.gov/950/Potters-Bridge-Fall-Festival)
- The Indiana Peony Festival is located at Seminary Park, approximately 6.5 miles from the project area. The festival is an annual event occurring in May (https://www.indianapeonyfestival.com/festival).

While the MOT may increase travel times to the festivals, the project will not otherwise negatively impact the events.

The ADA Transition Plan for the City of Noblesville, Indiana was approved and implemented in July of 2008 and updated in February of 2023 (https://www.noblesville.in.gov/egov/documents/1677611345 89599.pdf). The project will

This is page 30 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

		Indiana Depai	rtment of Trar	sportation	
County	Hamilton	Route	Olio Road	Des. No.	2101733
	ne construction of mult n Plan and will not crea			I. The project will comply	with the published ADA
Discuss what how the impartments health facilities public pedes	acts have been minimize es, educational facilities, trian and bicycle facilities	d and what coordination public and private utilit :.	n has occurred. Soi ies, emergency ser	npacts (such as MOT) that we ne examples of public facilit vices, religious institutions, a	ies and services include airports, transportation or
E1 to E1 by Indian one publ Center, is 2022, an	 there is one recreat a Gas Company, local c-use airport is located s located adjacent to the 	cional facility located ted within 0.5 mile of approximately 2.35 ne project area. Thes a Lochmueller Group	within 0.5 mile of the project. Altho miles east of the e numbers were	the project. There is one ugh not located within the	tional facility, Ruoff Music s on September 14,
They did this proje with the I surround	not respond within the ct. Additionally, the MC Ruoff Music Center reg	30-day time frame. OT will impact event parding the proposed extent possible. This	Strip ROW will be traffic during cons MOT prior to pro	usic Center and the Noble acquired from Ruoff Mustruction. The City of Noblect letting to limit disruptions commitment in the Englect letting to limit disruptions.	sic Center as a part of lesville will coordinate ons to events and the
discusse limited to be acces	d the MOT with the No the extent possible by	blesville City Fire Ch splitting the constru	nief and Deputy Fiction phases at the	e City of Noblesville and t re Chief. The disruptions le fire station. One of the f and Deputy Fire Chief h	to the fire station are two fire station drives will
Aviation being use in height	replied on February 6, ed is under 100 feet in so no tall structure per	2023 and stated that height (Appendix C, mit will be needed. A	t no tall structure C6). All equipme Access to all prop	OT Office of Aviation. The permit is required for the not being used for this projecties will be maintained on phasing at the fire state.	project if all equipment ect will be under 100 feet during construction.
prior to a		ould block or limit acc		ons and emergency servi	
Du Do If ' Indicate if Ex was required EJ populatio	Will the project result issues were identified did describe how the EJ pons and explain your reasons.	the project were EJ iss EJ analysis? In solocated within the proint adversely high and curing project developmentation was identified poing. If yes, describe a	ues identified? oject area? disproportionate imple ent. If an EJ analys Include if the projections to avoid, mile	pacts to EJ populations? sis was not required, discuss ect has a disproportionately nimize and mitigate these el e of recent Executive O	high or adverse effect on fects.
				e of recent Executive O such, this analysis is ir	

This is page 31 of 38 Project name: Olio Road Added Travel Lanes

Date: February 12, 2025

County	Hamilton	Route	Olio Road	Des. No.	2101733	
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transparency but is no longer applicable to the impacts analysis for federal projects and this impact was not considered in the federal decision.

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 (EJ) 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 16.84 acres of permanent ROW. Therefore, an EJ Analysis is required.

Potential EJ impacts are detected by locating minority and low-income populations relative to a reference population to determine if populations of EJ concern exist and whether there could be disproportionately high and adverse impacts to 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 Hamilton County, Indiana. The community that overlaps the project area is called the affected community (AC). In this project, there are two ACs: Census Tracts 1101.01 and 1101.02. An AC has a population of concern for EJ 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 American Community Survey (ACS) five-year estimates data (2018-2022) was obtained from the U.S. Census Bureau's webpage (https://data.census.gov/) on January 15, 2024, by Lochmueller Group. The data collected for minority and low-income populations within the AC are summarized in the below table.

Table: Minority and Low-Income Data (ACS 2018-2022)						
	COC – Hamilton	AC-1 – Census	AC-2 – Census			
	County, Indiana	Tract 1101.01,	Tract 1101.02,			
		Hamilton County,	Hamilton County,			
		Indiana	Indiana			
Percent Minority	18.8%	26.5%	7.4%			
125% of COC	23.5%	AC > 125% COC	AC < 125% COC			
EJ Population of Concern		Yes	No			
Percent Low-Income	4.2%	12.7%	3.7%			
125% of COC	5.3%	AC > 125% COC	AC < 125% COC			
EJ Population of Concern		Yes	No			

AC-1, Census Tract 1101.01, has a percent minority of 26.5% which is below 50% but is above the 125% COC threshold. AC-2, Census Tract 1101.02, has a percent minority of 7.4% which is below 50% and is below the 125% COC. Therefore, AC-1 has a minority population of EJ concern.

AC-1, Census Tract 1101.01, has a percent low-income of 12.7% which is below 50% but is above the 125% COC threshold. AC-2, Census Tract 1101.02, has a percent low-income of 3.7% which is below 50% and is below the 125% COC. Therefore, AC-1 has a low-income population of EJ concern.

Conclusion

The proposed project is expected to require the acquisition of approximately 16.84 acres of permanent ROW. Within AC-1, 8.38 acres of permanent ROW will be acquired. Within AC-2, 8.46 acres of permanent ROW will be acquired. Land use within the proposed permanent ROW consists of residential and agricultural land use. Overall, the negative impacts to property owners within the project area will be minimal and consist primarily of short-term construction impacts and the loss of strip ROW. No relocations are anticipated. The ROW to be acquired will not substantially diminish the existing use by the affected property owners.

The maintenance of traffic (MOT) is anticipated to involve a closure of Olio Road and a detour. The detour route will utilize Boden Road, 146th Street, and Prairie Baptist Road. The detour will result in an added travel distance of 1.9 miles and an added travel time of 3 minutes. See the *MOT* section of this document for more information. The MOT impacts to the EJ population and non-EJ population will be temporary and will cease after construction. Property

This is page 32 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

	Hamilton	Route	Olio Road	De:	s. No.	2101733	
	will be provided access ent impacts to communit			to reduce impacts	s as mu	ich as possik	ole. No
projecte not have	from the project to any d vehicular demand and a disproportionately higher when compared to r	l sufficient geometric gh and adverse envi	design for a maj	or collector roadw	ay. It is	expected th	ne project will
concurre consider and/or lo	analysis was submitted to ed with the findings on M r the impacts associated ow-income populations ove Order 12898 and FHN	March 20, 2024, and I with this project as of EJ concern relative	stated, "With the causing a disprope to non-EJ popul	information providualistics portionately high a lations in accorda	led, INI ind adv nce wit	DOT ESD wo erse effect o h the provision	ould not on minority
R	elocation of People, Bus	inesses or Farms				Yes	No
	Vill the proposed action res a BIS or CSRS required?		people, businesses	or farms?			X
N	lumber of relocations:	Residences: 0	Businesses:	0 Farms: _	0	Other:	0
	relocations that will occur cations of people, busine					n the discussi	on below.
110 10100	duons of people, busine	boots, or farms will to	and place as a rec	sait of this project	1		
SECTIO	N I – HAZARDOUS MA	ATERIALS & REGUI	ATED SUBSTA	NCES			
SECTIO	ON I – HAZARDOUS MA	ATERIALS & REGUI	LATED SUBSTA	NCES			
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Version: December 2021

County	Hamilton	Route	Olio Road	Des. No.	2101733	

	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 (IP) Other IN Department of Environmental Management	X				
(401/Rule 5) Nationwide Permit (NWP) Regional General Permit (RGP) Individual Permit (IP) Isolated Wetlands Rule 5 Other	X X X				
IN Department of Natural Resources Construction in a Floodway Navigable Waterway Permit Other Mitigation Required US Coast Guard Section 9 Bridge Permit Others (Please discuss in the discussion below)	X				
	the magnite are useded including payments designed as "Other"				
Due to the approximately 110 linear feet (0.02 acre) of p of temporary impacts to Sand Creek, along with 0.15 acr	the permits are needed, including permits designated as "Other." ermanent impacts and approximately 167 linear feet (0.03 acre) re of permanent impacts to Wetland 1, a USACE Section 404 d. Mitigation may be required and will be further evaluated				
Due to the 0.41 acre of permanent impacts to Wetlands Mitigation may be required and will be further evaluated	2, 3, and 4, an IDEM Isolated Wetlands Permit will be required. during the permitting process.				
Due to the work occurring within a regulatory floodway, a mitigation is anticipated.	a Construction in a Floodway (CIF) Permit will be required. No				
An IDEM Indiana Construction Stormwater General Perr because the project will disturb greater than one acre of	nit (CSGP), formerly named a Rule 5 permit, will be required total land area (22.60 acres).				
	cies are included in the Environmental Commitments section of conditions of the permit will be requirements of the project and				
	nd obtain all required permits.				

County	Hamilton	Route	Olio Road	Des. No.	2101733
ENVIRO	NMENTAL COMMITMENTS				

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

Firm:

- If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Environmental Services Division (ESD) and the INDOT Greenfield District Environmental Section will be contacted immediately. Changes to scope of work include tree or habitat removal, temporary and/or permanent lighting changes, and/or hibernacula/karst impacts not included in the original environmental documentation. (INDOT ESD and INDOT Greenfield 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) Any work in a wetland area within right-of-way or in borrow/waste areas is prohibited unless specifically allowed in the U.S. Army Corps of Engineers permit. (INDOT ESD)
- 4) Upon completion of the environmental document phase, the noise study will be provided directly to the county's planning unit by the environmental preparer and/or member of the project team. If the project is in a municipality that has a planning unit, a noise study will also be provided to the municipality's planning unit. INDOT Environmental Services Division shall be copied on this correspondence. (INDOT ESD)
- 5) Sand Creek is listed as impaired for *E. coli*. Workers who are working in or near water with *E. coli* should take care to wear appropriate PPE, observe proper hygiene procedures, including regular hand washing, and limit personal exposure. (INDOT SAM)
- 6) General AMM 1: Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable AMMs. (USFWS)
- 7) Lighting AMM 1: Direct temporary lighting away from suitable habitat during the active season. (USFWS)
- 8) Lighting AMM 2: When installing new or replacing existing permanent lights, use downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting); or for those transportation agencies using the BUG system developed by the Illuminating Engineering Society, be as close to 0 for all three ratings with a priority of "uplight" of 0 and "backlight" as low as practicable. (USFWS)
- 9) Tree Removal AMM 1: Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal. (USFWS)
- 10) Tree Removal AMM 2: Apply time of year restrictions for tree removal when bats are not likely to be present, or limit tree removal to 10 or fewer trees per project at any time of year within 100 feet of existing road/rail surface and outside of documented roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with no bats observed. (IDNR DFW and USFWS)
- 11) Tree Removal AMM 3: Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits). (USFWS)
- 12) Tree Removal AMM 4: Do not remove documented Indiana bat or NLEB roosts that are still suitable for roosting, or trees within 0.25 miles of roosts, or documented foraging habitat any time of year. (USFWS)

This is page 35 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025

Olio Road

Route

County	Tidifficon	rtouto	Ollo Ttoda	DC3. 140.	2101100	_
			·			_
13) U	JSFWS Bridge/Structure	Assessment are of	nlv valid for two vears	. If construction will be	pegin after Septemb	oer 25

13) USFWS Bridge/Structure Assessment are only valid for two years. If construction will begin after September 25, 2026, an inspection of the structure by a qualified individual must be performed. Inspection of the structure should check for presence of bats/bat indicators and/or presence of birds. The results of the inspection must indicate no signs of bats or birds. If signs of bats or birds are documented during this inspection, the INDOT District Environmental Manager must be contacted immediately. (INDOT ESD)

Des No

2101733

- 14) Bridge #29-00170 over Sand Creek and the project's surrounding habitat is conducive for use (i.e. nests) by a bird species protected under the Migratory Bird Treaty Act (MBTA). Prior to the start of nesting season (May 1) the structure must be inspected for birds or signs of birds. If birds or signs of birds are found during the inspection avoidance and minimization measures must be implemented prior to the start of and during the nesting season. Nests without eggs or young should be removed prior to construction during the non-nesting season (September 8 April 30) and during the nesting season if no eggs or young are present. Nests with eggs or young cannot be removed or disturbed during the nesting season (May 1 September 7). Nests with eggs or young should be screened or buffered from active construction. Details of the required procedures are outlined in the Recurring Special Provision (RSP) 107-C-273 "Migratory Bird Protection." (INDOT ESD)
- 15) The portion of Wetland 2 that will not be impacted will be labeled on the plans as "Do Not Disturb". (INDOT ESD)
- 16) One small area at Site 12H1976, identified in the Phase 1a Archaeological Investigation Report, had an anomalous shovel test, which could represent an intact sub-plow zone feature, and it is recommended that that specific area of the site be avoided by ground disturbing activities that may go deeper than 17 centimeters (cm). The location will be marked for avoidance on the plans and in the field during construction. (INDOT CRO)
- 17) The surveyed limits of archaeological sites 12H1974, 12H1975, and 12H1977 will be marked for avoidance on the plans and in the field during construction. (IDNR SHPO)
- 18) The SHPO requested that if lighting becomes a part of the project, or future projects, that their office be provided with the updated information as this may add to the visual impacts of the project on the Wiseman Farm (IHSSI #057-541-40032). (IDNR SHPO)
- 19) The City of Noblesville will coordinate with the Ruoff Music Center regarding the proposed MOT prior to project letting to limit disruptions to events and the surrounding community to the extent possible. (FHWA)

For Further Consideration:

Hamilton

County

- 1) The proposed project design should be revisited to reduce impacts to fish, wildlife, and botanical resources where possible. Disturb as narrow an area as possible to help minimize negative impacts. Where significant impacts to fish, wildlife or botanical resources are likely due to the roadway's width, the roadway width should be reduced to help avoid those impacts whenever possible. (IDNR DFW)
- 2) Maintaining or improving wildlife movement under roads is a priority concern for the Division of Fish & Wildlife for the ecological health of wildlife populations in terms of movement and dispersal, habitat connectivity, and to avoid unnecessary wildlife mortality on roads. Facilitating wildlife passage ability under roads means less wildlife crossing traffic lanes and consequently reduced driving hazards. Proposed landscaping along the corridor should consider the use of native trees, shrubs, grasses, and wildflowers to offset impacts to these resources as a result of the proposed project. (IDNR DFW)
- 3) Including pedestrian transportation alternatives is recommended in a project of this type to potentially offset some of the negative impacts of induced demand/ traffic. (IDNR DFW)
- 4) For purposes of maintaining fish and wildlife passage through a crossing structure, the Environmental Unit recommends bridges rather than culverts and bottomless culverts rather than box or pipe culverts. Wide culverts are better than narrow culverts, and culverts with shorter through lengths are better than culverts with

This is page 36 of 38	Project name:	Olio Road Added Travel Lanes	Date:	February 12, 2025	

Indiana Department of Transportation

County	Hamilton	Route	Olio Road	[Des. No.	2101733
	longer through lengths. (IDNR DFW	')				
5)	If box or pipe culverts are used, the height/pipe diameter, whichever is gnatural streambed to form within or width (a minimum of 1.2 times the C and have stream depth, channel widthose in the natural stream channel.	greater up under the DHWM width, and v	o to a maximum e crossing struc idth); maintain tl water velocities	of 2') below the ture. Crossings s ne natural strear	stream be should: sp n substrat	ed elevation to allow a an the entire channel e within the structure;
6)	The new, replacement, or rehabbed conditions that are less favorable fo Upgrading wildlife passage for repla improve wildlife/vehicle safety. Whit no structure previously existed. Mini width clearance (overall span of the lines must be maintained or restored water mark. (IDNR DFW)	r wildlife acement/i e-tailed c imum str structure	passage under rehabilitated stru deer passage m ucture dimensio e) and 8 feet of l	the structure con uctures is recom ust be incorpora ns for white-taile neight clearance	mpared to mended w ted into al ed deer pa measured	the current conditions. Thenever possible to new structures where ssage are 20 feet of from the OHWM. Bank
7)	All wildlife passage designs must in natural substrate (soil, sand, gravel, existing elevations both upstream a on the wildlife species using the are	etc.) or one	compacted agg stream. The wid	egate fill over ri _l	orap (#2, #	£53, #73, etc.) tied into
8)	Riprap or other hard bank stabilization ordinary high water mark (OHWM) on OHWM should be restored, stabilized wildflowers, shrubs, and trees native purposes as soon as possible upon	with the e ed, and re e to Cent	exception of area evegetated usin ral Indiana and	as directly under g geotextiles and specifically for s	bridges. ⁻ d a mixture	The banks above the e of grasses, sedges,
9)	Impacts to non-wetland forest of one 2:1 ratio based on area of impact. In rural or urban area should be mitigated acre in a rural area typically do not a disturbed areas, though there are expected.	npacts to ited at a r require m	non-wetland fo minimum 1:1 rat nitigation or addi	rest under one (io based on areational plantings	1) acre bu a of impac beyond se	t at least 0.10 acre in a t. Impacts under 0.10 eding and stabilizing
10)	Impacts under 0.10 acre in an urbar breast height (dbh) or greater by pla dbh or greater. Seeding and stabiliz location. If floodway impacts to fores more, mitigation should be done and	anting five ing distu sted wetl	e trees, 1" to 2" rbed areas is re and and non-we	in dbh, for each quired regardles etland habitat are	tree which s of the im eas combi	is removed that is 10" npact amount and ne to be 0.10 acres or
11)	The need for new lighting was not moderation areas. Most transportation of Certain types of LED lighting can har DFW)	orridor de	esigners and mu	ınicipalities are t	rending to	ward LED lighting.
12)	The DFW recommends considering model of stormwater management a pipes, which increases peak flows a drainage problems from one section the natural water cycle by using storand recharging groundwater using it etc.). (IDNR DFW)	aims to d and costs a of a bas rage tech	rain runoff as qu of stormwater r sin to another. A nniques (retentic	rickly as possible management. Th more sustainab on basins, constr	e with the his type of le approad fucted wet	help of channels and solution only transfers ch should aim to rebuild ands, raingardens, etc.)

Indiana Department of Transportation

County	Hamilton	Route	Olio Road	Des. No.	2101733
13)	Do not construct any tem pumparounds. (IDNR DF	porary runarounds W)	s, access bridges, o	causeways, cofferdams	, diversions, or
14)	Use minimum average 6 aquatic organisms in the	inch graded riprap voids. (IDNR DFW	stone extended be	elow the normal water le	evel to provide habitat for

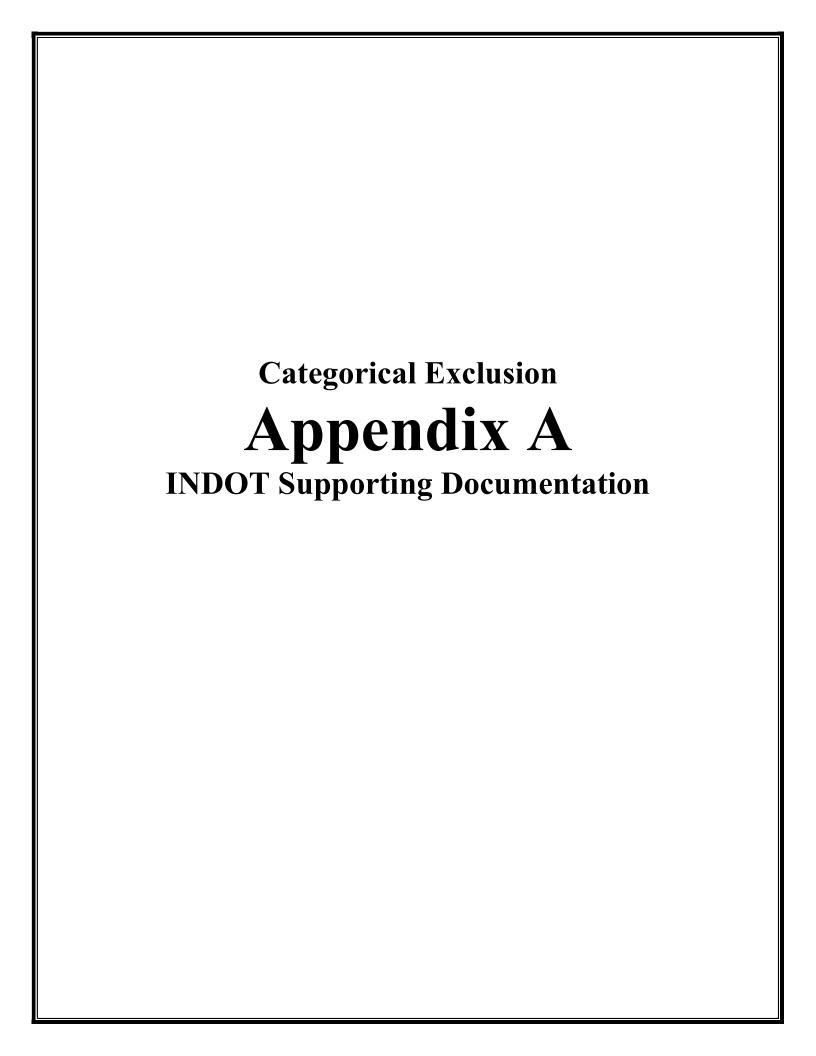
This is page 38 of 38 Project name: Olio Road Added Travel Lanes

Date: February 12, 2025

Appendix A: INDOT Supporting Documentation	
Threshold Chart	A1
Appendix B: Graphics	75.4
Location Map	
USGS Quad Map	
Aerial Maps	
Photo Location Maps	
Site Photographs	
Stage 2 Olio Road Design Plans	
Stage 2 Olio Road and 156th Street Intersection Improvement Design Plans	
Stage 2 Hamilton County Bridge #170 Bridge Design Plans	B87-B94
Appendix C: Early Coordination	
Sample Early Coordination Letter (February 6, 2023)	C1-C5
INDOT Office of Aviation	
Response Email (February 6, 2023)	C6
Indiana Department of Natural Resources, Division of Fish and Wildlife	
Response Letter (March 8, 2023)	C7-C11
U.S. Coast Guard, 8 th District	
Response Letter (April 14, 2023)	C12
Indiana Geological and Water Survey	
Automated Response Letter (December 11, 2023)	C13-C14
Natural Resources Conservation Service	
Response Letter (December 12, 2023)	C15
CPA-106 (November 14, 2023)	
U.S. Fish and Wildlife Service	
Species List (September 4, 2024)	C17-C24
Concurrence Verification Letter (January 9, 2024)	
Bridge/Structure Bat Assessment Form (September 14, 2022)	
Bridge, But acture But 1 issessment 1 of in (september 11, 2022)	
Appendix D: Section 106 of the National Historic Preservation Act (NHPA)	
Finding/800.11(e) Documentation	D1-D124
Public Notice	D125
Proof of Publication	D126
Appendix E: Red Flag Investigation and Hazardous Materials	
Red Flag Investigation (Approved April 10, 2023)	E1-E11
Appendix F: Water Resources	
IDNR Floodplain Analysis & Regulatory Assessment (FARA) Map	F1
Waters of the US Report (January 17, 2024)	
USGS Quad Map (1:12,000)	
USDA Soil Survey Geographic Database (SSURGO) Soils Map	
USFWS National Wetlands Inventory (NWI) Map	
StreamStats Watershed Map	
IDNR Best Available Flood Hazard & National Hydrography Dataset (NH	
Water Resources Maps	
Photo Location Map.	
Waters Investigation Photos	
Preliminary Jurisdictional Determination Form	
Approved Jurisdictional Determination (August 2, 2024)	

Des. No.: 2101733 Olio Road Added Travel Lanes Project Hamilton County, Indiana

Appendix G: Public Involvement	
Notice of Survey Letter (August 18, 2022)	G1-G2
Appendix H: Air Quality	
Relevant pages from the IMPO 2024-2027 TIP	Н1-Н2
Appendix I: Other Information	
Hamilton County LWCF List	I1
Environmental Justice Analysis	
Noise Study (January 29, 2024)	
INDOT ESD Concurrence Email (February 2, 2024)	
INDOT Bridge Inspection Report (August 17, 2023)	190-I92
Indiana Design Manual Figure 53-8	
Road Safety Assessment Report	
Olio Road Project Existing and No Build Traffic Operations Memo	



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 Impacts ³	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 Impacts ³	No adverse impacts to wetlands	< 0.1 acre	-	< 1.0 acre	≥ 1.0 acre
Right-of-way ⁵	Property acquisition for preservation only or none	< 0.5 acre	≥ 0.5 acre	-	-
Relocations ⁶	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	ı	-	-	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 N	-	-	-	Any
Noise Analysis Required	No	-	-	-	Yes
Approval Level	No	-	-	-	Yes ¹¹
 Approval Level District Env. (DE) Env. Serv. Div. (ESD) FHWA 	Concurrence by DE or ESD	DE or ESD	DE or ESD	DE and/or ESD	DE and/or ESD; and 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).

⁴US 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.

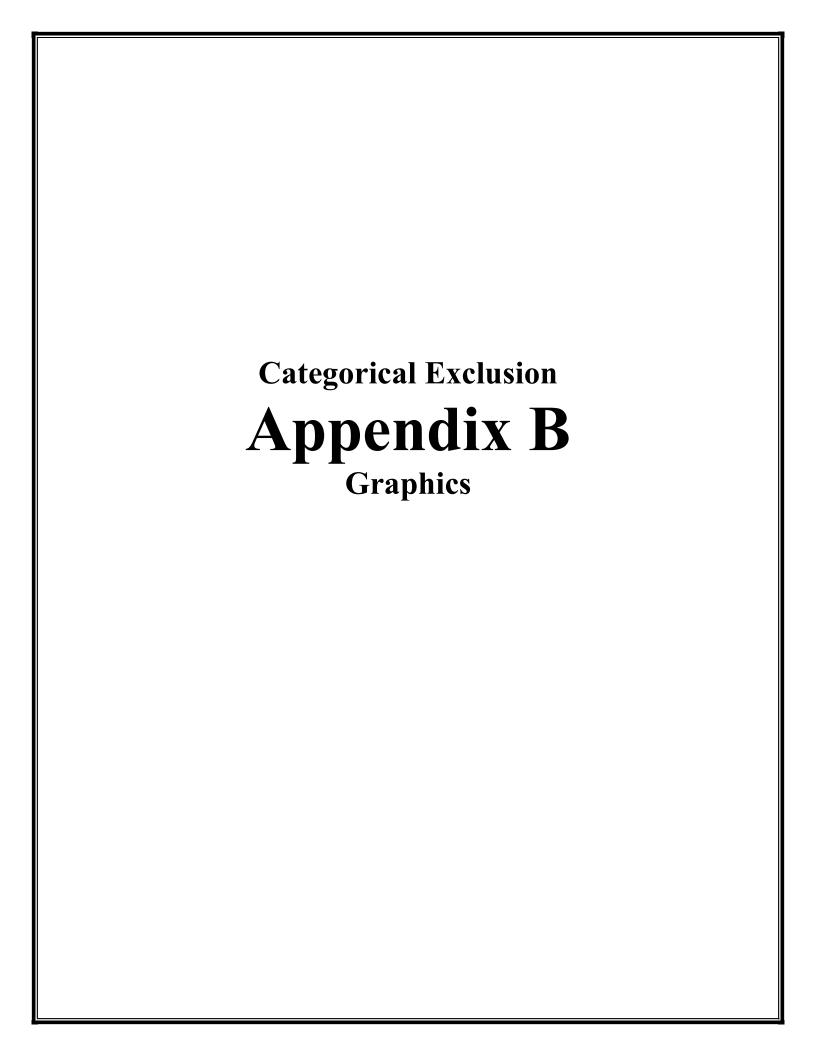
⁹ Potential for causing a disproportionately high and adverse impact.

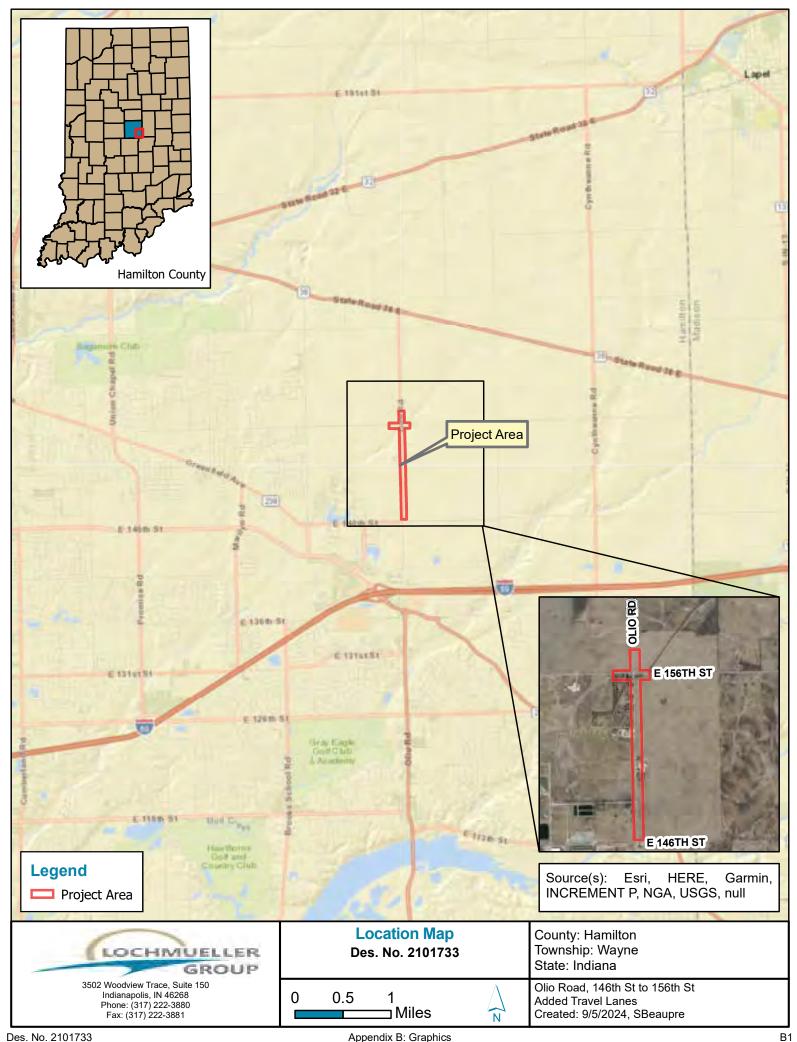
¹⁰ Section 4(f) use resulting in an Individual, Programmatic, or *de minimis* evaluation. The only exception is a *de minimis* evaluation for historic properties (Effective January 2, 2020). If a historic property *de minimis* and no other use, mark the *None* column.

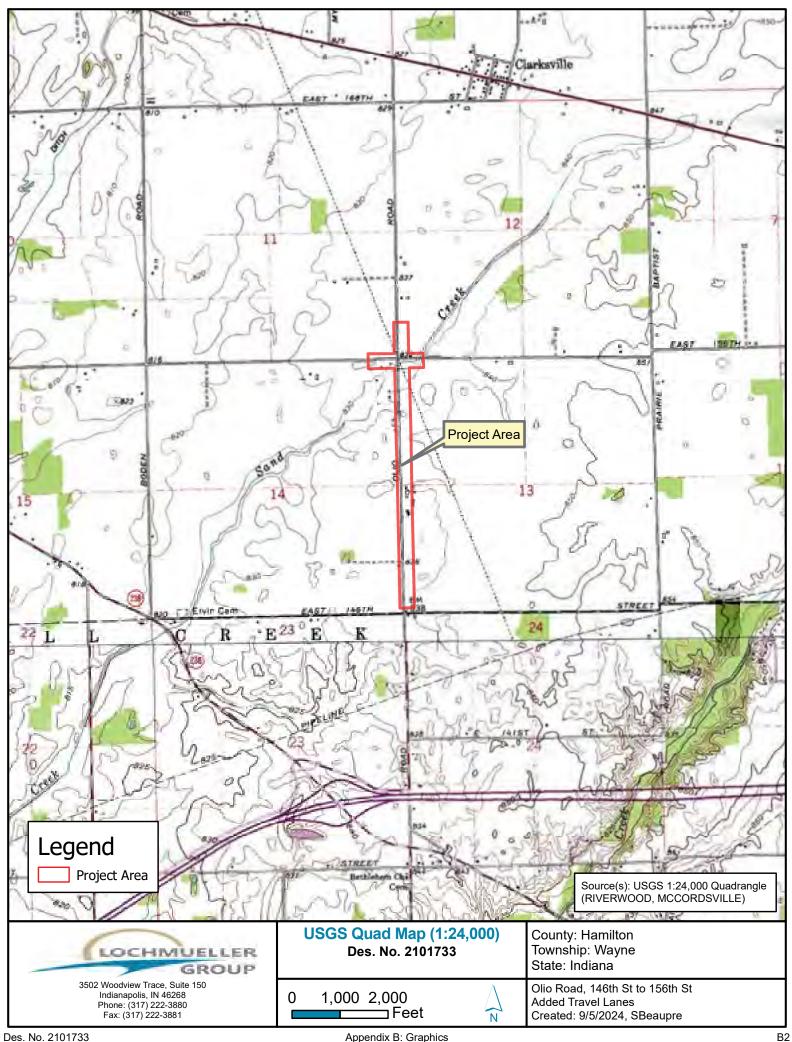
¹¹Hot Spot Analysis and/or MSAT Quantitative Emission Analysis.

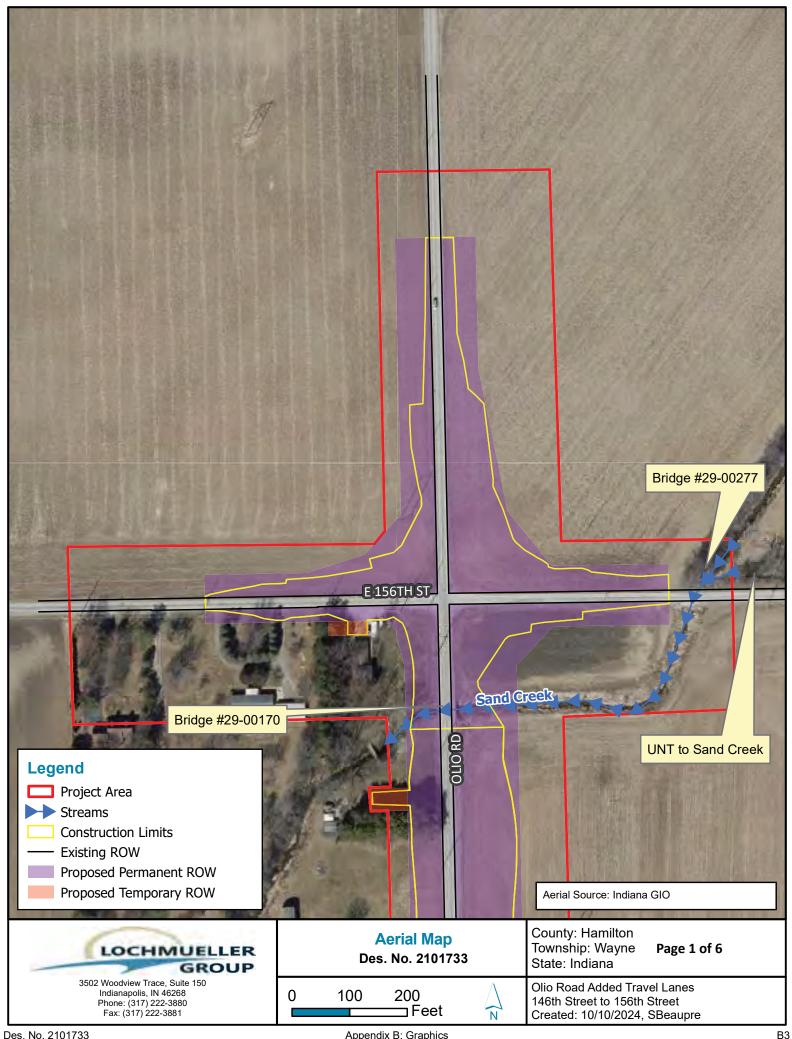
^{*} Includes the threatened/endangered species critical habitat

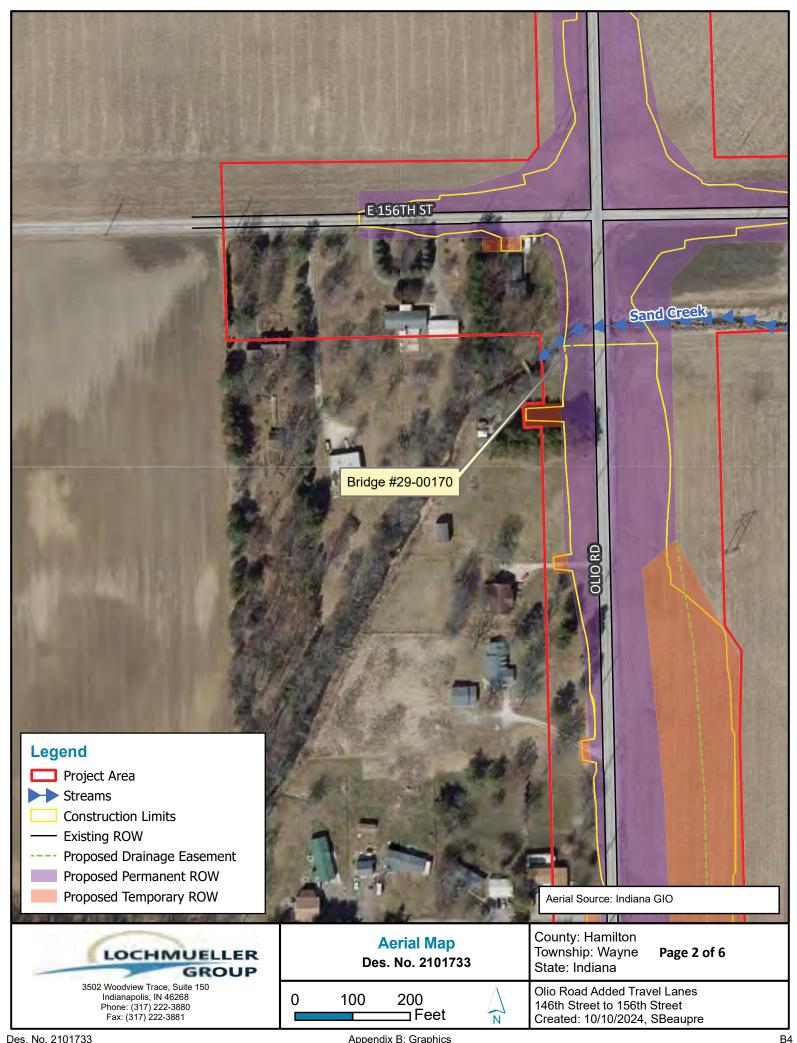
Note: Substantial public or agency controversy may require a higher-level NEPA document.

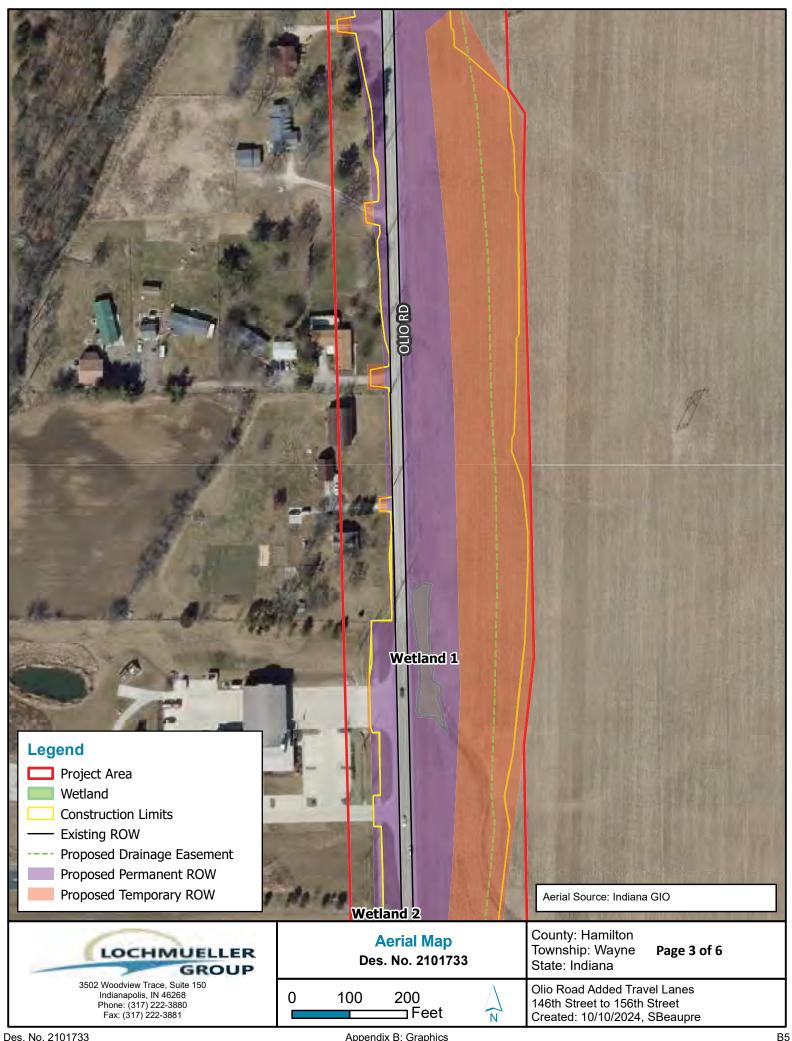


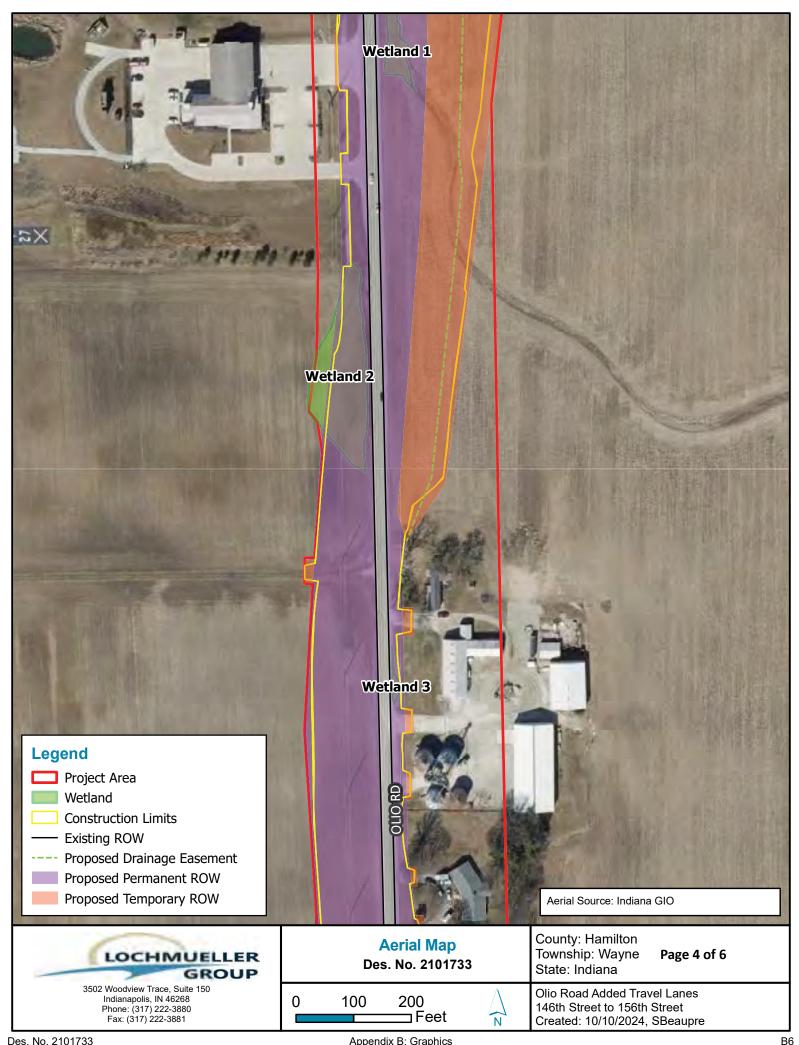


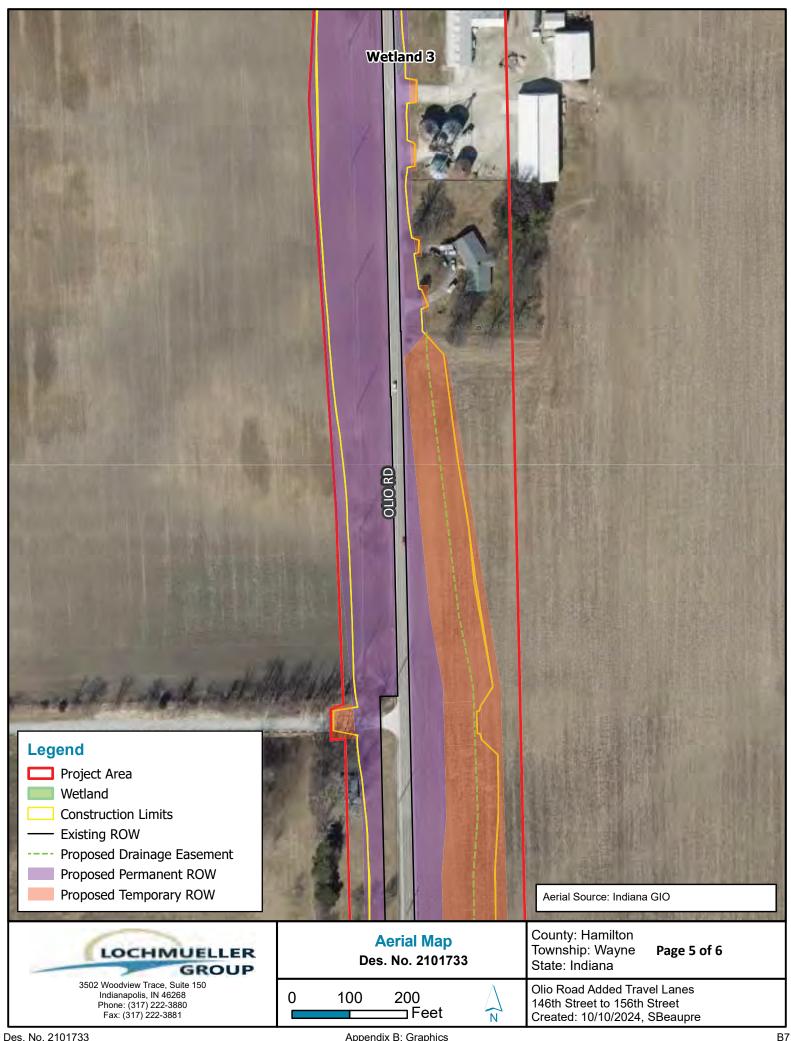


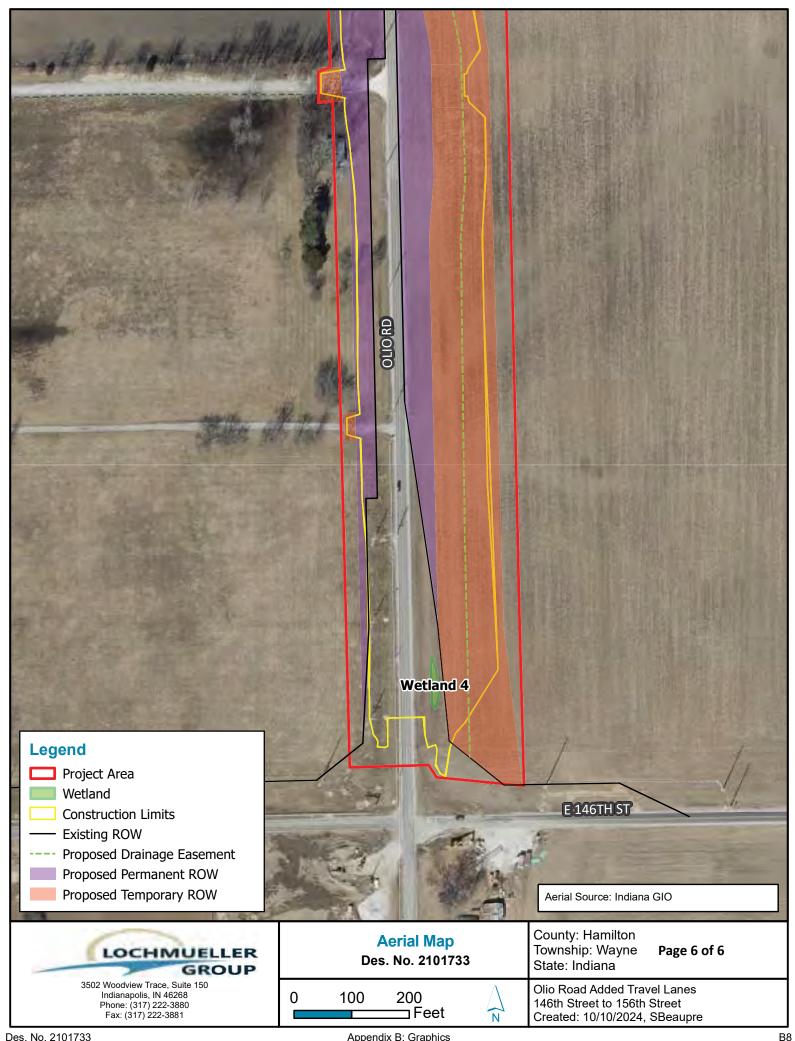


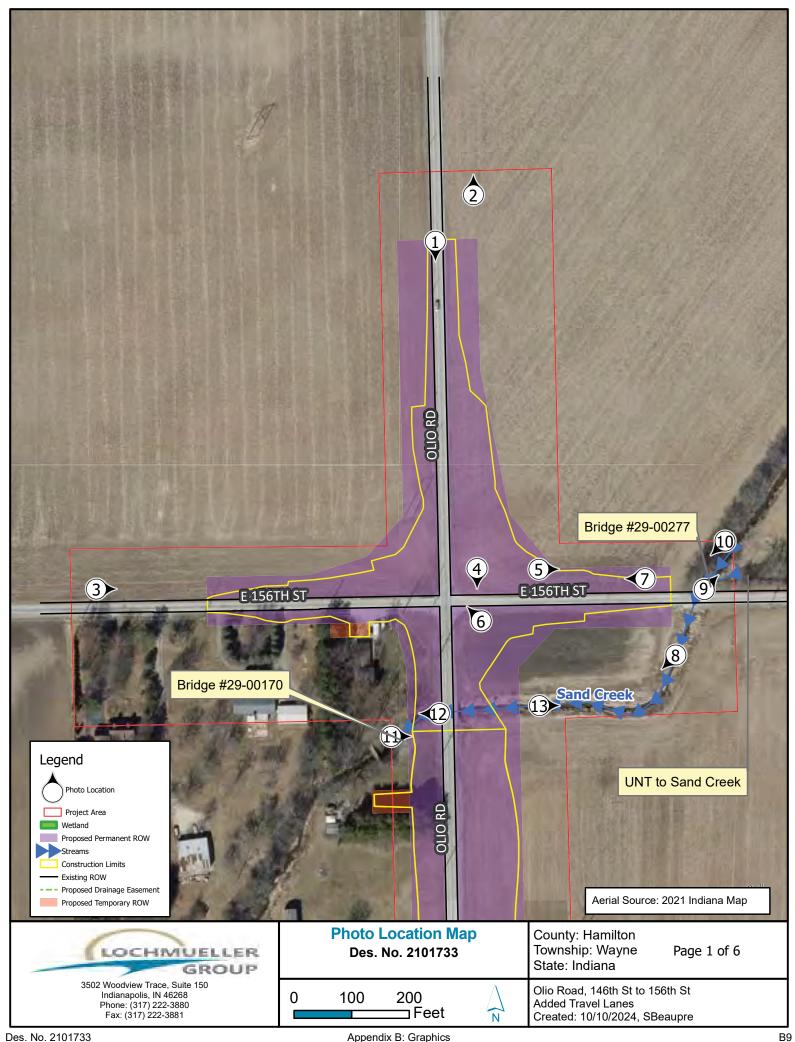




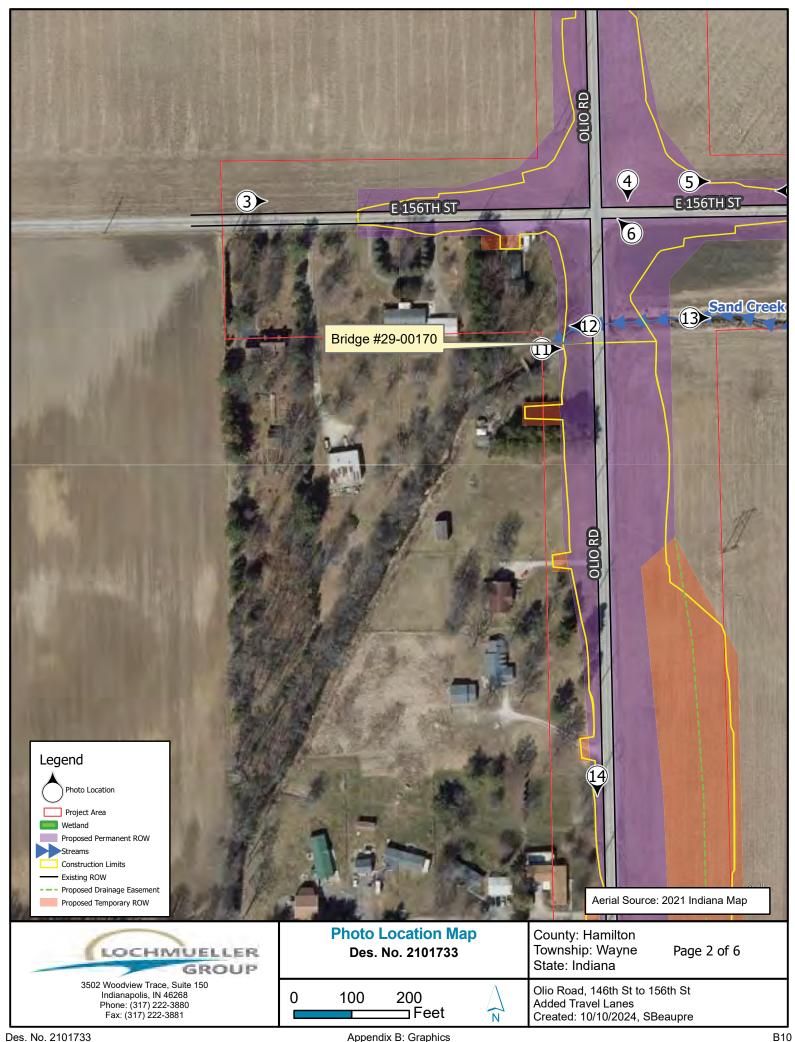


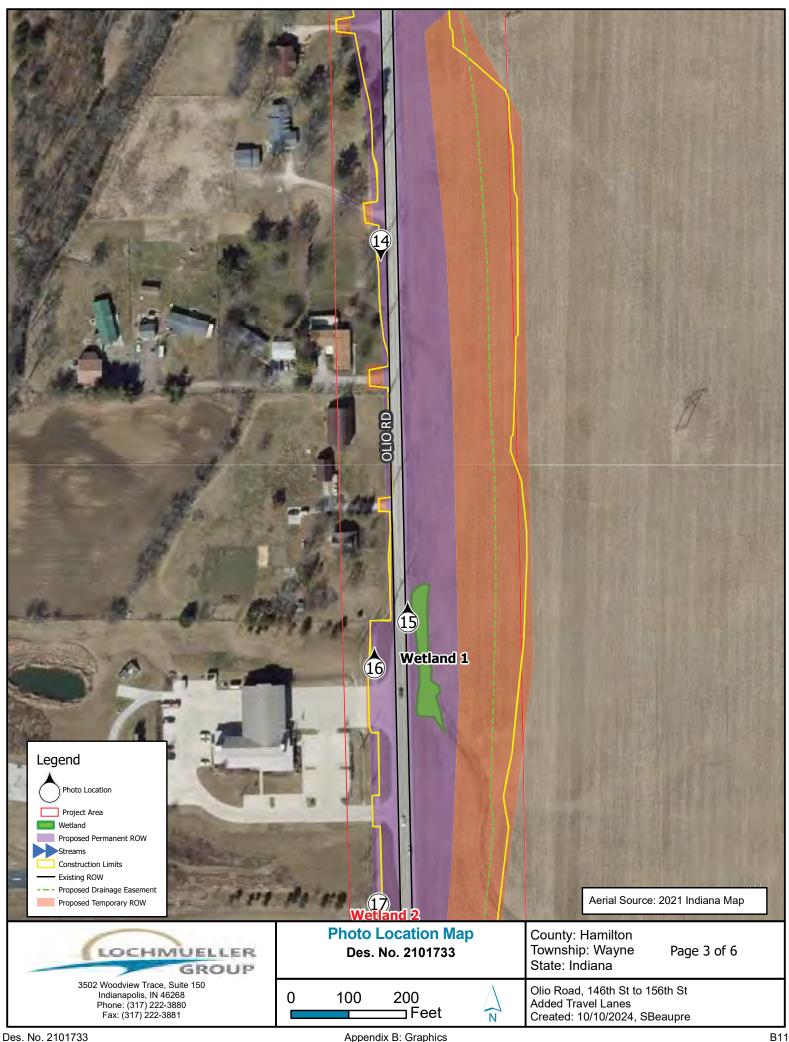


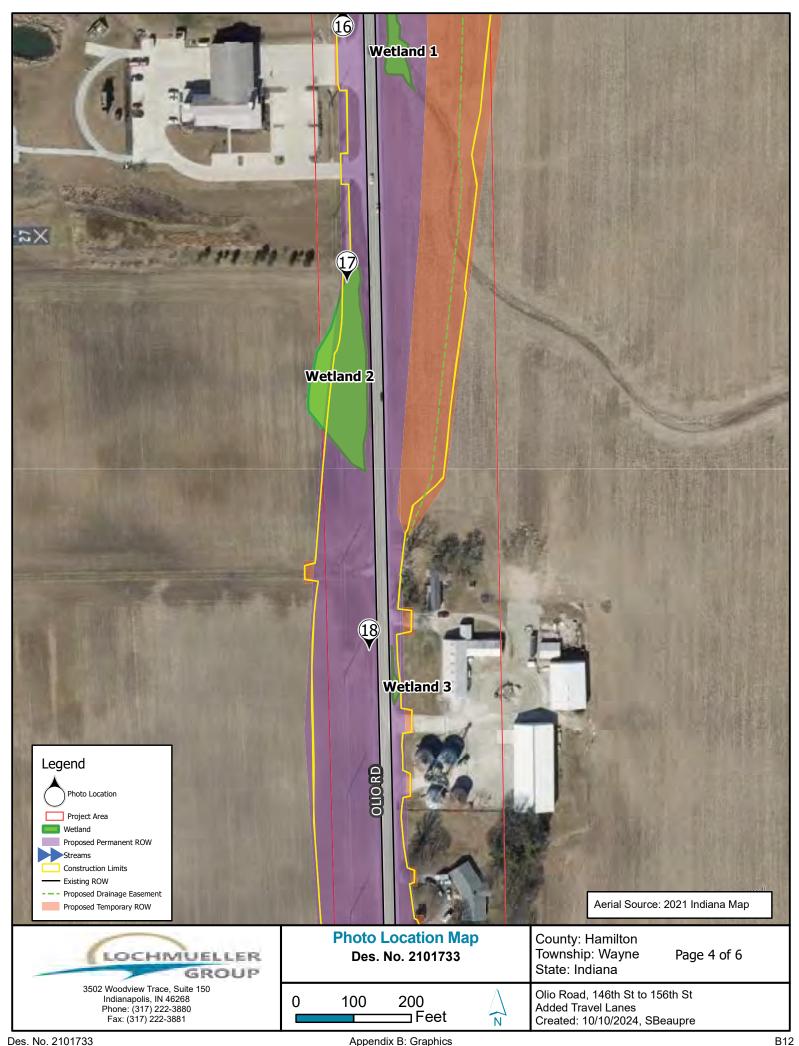




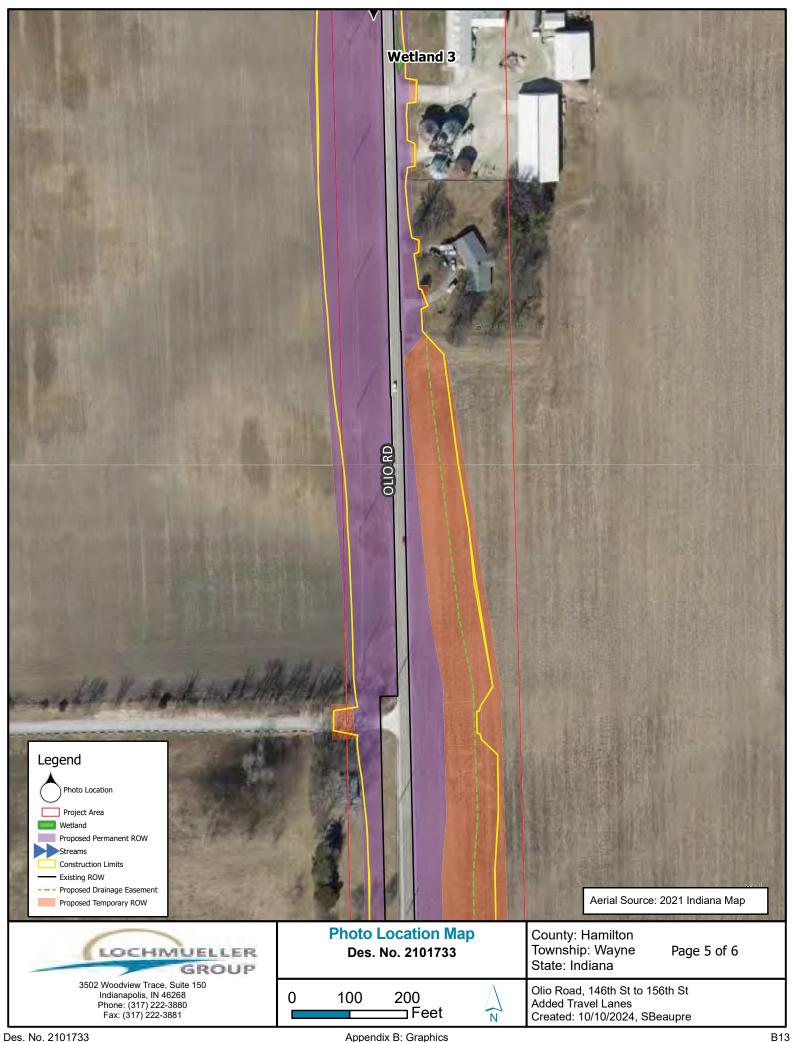
Appendix B: Graphics Des. No. 2101733

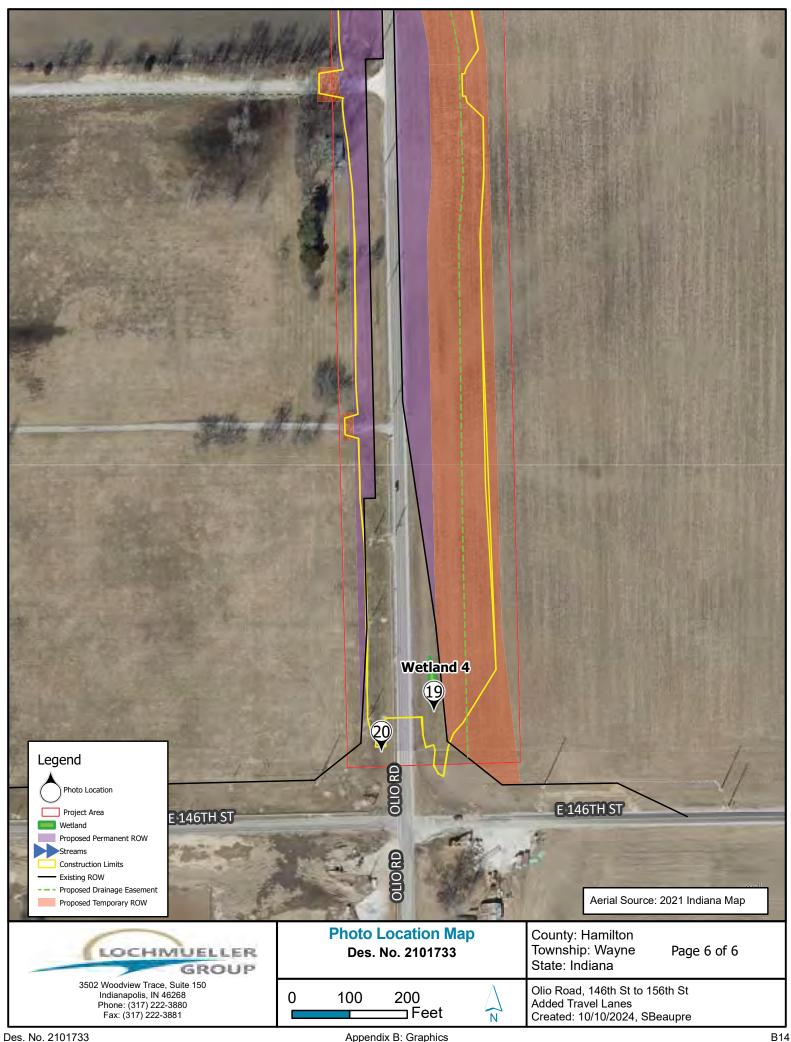






Appendix B: Graphics Des. No. 2101733







1. Looking south on the west side of Olio Road



2. Looking north on the east side of Olio Road



3. Looking east along the north side of 156th Street



4. Looking south at development along Olio Road



5. Looking east from the Olio Road and 156th Street intersection



6. Looking northwest at the Olio Road and 156th Street intersection



7. Looking west along the north side of 156^{th} Street



8. Looking southwest downstream Sand Creek



9. Looking northeast upstream Sand Creek from 156th Street



10. Looking southwest at dual culverts (Bridge #29-00277) under 156th Street downstream along Sand Creek



11. Looking east upstream Sand Creek at Olio Road crossing



12. Looking west along Sand Creek from Olio Road



13. Looking east upstream Sand Creek from Olio Road



14. Looking south along the west side of Olio Road



15. Looking north along east side of Olio Road



16. Looking north along multi-use path on the west side of Olio Road



17. Looking south from the end of the multi-use path



18. Looking south along the west side of Olio Road



19. Looking south at culvert on east side of Olio Road north of 146th Street intersection



20. Looking south at 146th Street and Olio Road roundabout and multi-use path

PROJECT	DESIGNATION
2101733	2101733
CONTRACT	BRIDGE FILE
D-44267	

APPROVED BY CITY OF NOBLESVILLE BOARD OF PUBLIC WORKS AND SAFETY

DATE

JACK MARTIN, PRESIDENT

JOHN DITSLEAR, MEMBER

LAURIE DYER, MEMBER

ROBERT J. ELMER, MEMBER

RICK L. TAYLOR, MEMBER

EVELYN L. LEES, CLERK CITY OF NOBLESVILLE, INDIANA

RECOMMENDED FOR APPROVAL DATE _

ALISON KRUPSKI, P.E., CITY ENGINEER (ERC)

ATTEST

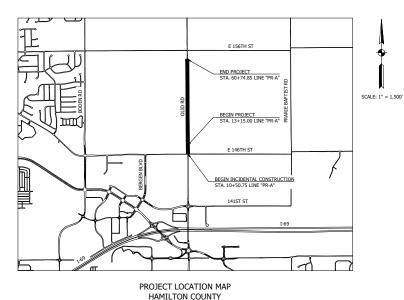
INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

PROJECT NO. 2101733 P.E., R/W, CN

THIS PROJECT INCLUDES RECONSTRUCTION OF OLIO ROAD FROM 146TH
STREET TO THE SOUTHERN END OF THE BRIDGE CARRYING OLIO ROAD OVER SAND CREEK.
THIS PROJECT IS LOCATED IN SECTIONS 13 AND 14, TIBN, RSE, IN WAYNE TOWNSHIP,
HAMILTON COUNTY, INDIANA





LATITUDE: 40°00'34"N LONGITUDE: 85°55'09"W

GROSS LENGTH: 0.901 MI. NET LENGTH: 0.901 MI. MAXIMUM GRADE: 1.47 %

HUC12 051202010903

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 TO BE USED WITH THESE PLANS



8440 Allison Pointe Blvd. Suite 200 Indianapolis, IN 46250 Phone 317-895-2585 www.ucindy.com
 PLANS
 UNITED CONSULTING
 (317) 895-2585

 PREPARED BY:
 PHONE NUMBER

 CERTIFIED BY:
 DATE

 APPROVED
 DATE

 FOR LETTING:
 BIGDIANA DEPARTMENT OF TRANSPORTATION
 DATE

| DESIGNATION | 2101733 | SURVEY BOOK | SHEETS | 1 | of | 97 | CONTRACT | PROJECT | R-44267 | 2101733 |

:\RD\C3D\22-422 Olio Road\Road\Dwg\Plans\Title Sheet.dwg Plot Date: 4/5/2024 Plotted By: Tim Leemhuis

Des. No. 2101733

Appendix B: Graphics

B2

UTILITIES

COMMUNICATIONS AT&T Distribution 5870 N. College Ave. Indianapolis, IN 46220 317-459-4769 Contact: Brad Bailey

COMMUNICATIONS
City of Noblesville
16 S 10th St.
Noblesville, IN 46060
317-770-2073
Contact: Adam Hedden

ELECTRIC DISTRIBUTION Duke Energy 100 S Mill Creek Rd Noblesville, IN 46062 317-776-5320 Contact: Don McDuffy ELECTRIC TRANSMISSION Duke Transmission 1000 E Main St. Plainfield, IN 46168 317-838-1053 Contact: Zach Boston

COMMUNICATIONS WATER

Ter Indiana American Water 153 North Emerson Avenue Greenwood, IN 46143 317-885-2417 Charter 3030 Roosevelt Ave. Indianapolis, IN 46218 317-734-0751 Contact: Byron Posey Contact: Roy Francis

GENERAL NOTES DESCRIPTION

SHEET NO.

	INDEX
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX & GENERAL NOTES
3-5	TYPICAL CROSS SECTIONS
6	REFERENCE TIES & BENCHMARK SUMMARY TABLE
7-10	SURVEY CONTROL LINES "A", "S-1", & "PR-A"
11-12	MAINTENANCE OF TRAFFIC - DETOUR ROUTES
13-18	PLAN & PROFILE - LINE "PR-A"
19-24	CONSTRUCTION DETAILS - LINE "PR-A"
25-30	TEMPORARY EROSION & SEDIMENT CONTROL DETAILS
31-37	DETENTION POND DETAILS
38-42	CURB RAMP AND GRADING DETAILS
43-48	PAVEMENT MARKING AND SIGNING DETAILS
49	APPROACH TABLE
50-52	STRUCTURE DATA TABLE
53	EROSION CONTROL TABLES
54-55	SIGN TABLE
56-82	CROSS SECTIONS LINE "PR-A"
83-86	DRIVE CROSS SECTIONS LINE "PR-A"
87-97	STRUCTURE CROSS SECTIONS LINE "PR-A"

	REVISIONS	
DATE		REVISION



CALL TWO WORKING DAYS BEFORE YOU DIG Call 811 or 800-382-5544

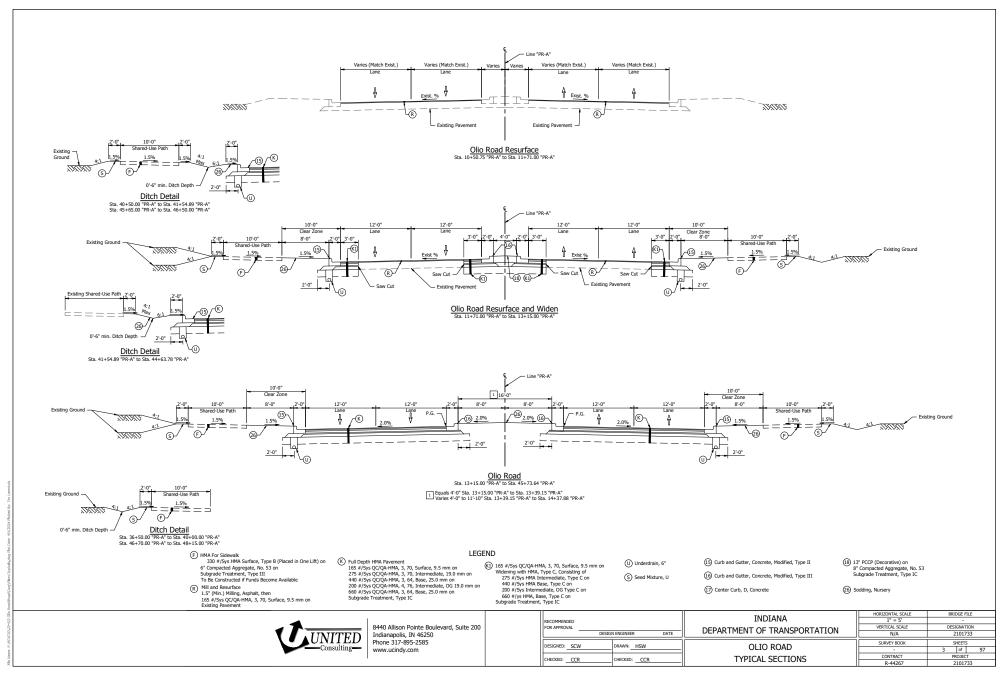
> BRIDGE FILE INDIANA N/A VERTICAL SCALE N/A RECOMMENDED DESIGNATION 2101733 DEPARTMENT OF TRANSPORTATION SURVEY BOOK SHEETS of PROJECT DESIGNED: DRAWN: HSW INDEX & CONTRACT GENERAL NOTES CHECKED: CCR CHECKED: CCR R-44267 2101733

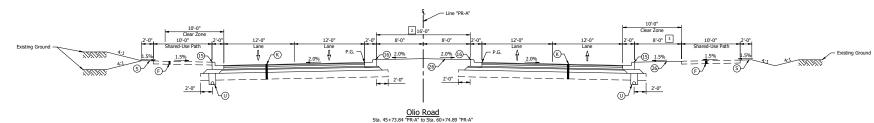
Des. No. 2101733

Appendix B: Graphics

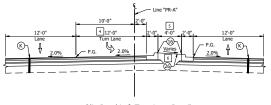
B26

SHEET NO.



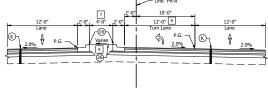


- Varies 16'-0" to 11'-10" Sta. 54+53.48 "PR-A" to Sta. 56+60.00 "PR-A" 2 Varies 10"-2" to 6"-1" Sta. 57+29.00 "PR-A" to Sta. 58+94.00 "PR-A" Varies 4"-4" to 4"-0" Sta. 59+86.00 "PR-A" to Sta. 60+52.50 "PR-A" Equals 4"-0" Sta. 60+52.50 "PR-A" to Sta. 60+74.89 "PR-A"
- 3 Varies 8'-0" to 2'-0" Sta. 59+44.82 "PR-A" to Sta. 59+90.52 "PR-A" Equals 0'-0" Sta. 59+90.52 "PR-A" to Sta. 60+74.89 "PR-A"



Olio Road Left Turn Lane Detail

- 4 Equals 12'-0" Sta. 23+20.00 "PR-A" to Sta. 24+20.00 "PR-A" Varies 12'-0" to 0'-0" Sta. 24+20.00 "PR-A" to Sta. 25+20.00 "PR-A"
- 5 Equals 4'-0" Sta. 23+20.00 "PR-A" to Sta. 24+20.00 "PR-A" Varies 4'-0" to 16'-0" Sta. 24+20.00 "PR-A" to Sta. 25+20.00 "PR-A"
- 6 (18) From Sta. 23+20.00 "PR-A" to Sta. 24+20.00 "PR-A"
- (26) From Sta. 24+20.00 "PR-A" to Sta. 25+20.00 "PR-A"



Olio Road Left Turn Lane Detail

- 7 Varies 11'-10" to 4'-0" Sta. 14+37.88 "PR-A" to Sta. 15+37.88 "PR-A" Equals 4'-0" Sta. 15+37.88 "PR-A" to Sta. 16+37.88 "PR-A" Varies 16'-0" to 4'-0" Sta. 40+72.00 "PR-A" to Sta. 41+72.00 "PR-A" Equals 4'-0" Sta. 41+72.00 "PR-A" to Sta. 42+72.00 "PR-A"
- 8 Varies 0'-0" to 12'-0" Sta. 14+37.88 "PR-A" to Sta. 15+37.88 "PR-A" Equals 12'-0" Sta. 15+37.88 "PR-A" to Sta. 16+37.88 "PR-A" Varies 0'-0" to 12'-0" Sta. 40+72.00 "PR-A" to Sta. 41+72.00 "PR-A" Equals 12'-0" Sta. 41+72.00 "PR-A" to Sta. 42+72.00 "PR-A"
- 9 26 From Sta. 14+37.88 "PR-A" to Sta. 15+37.88 "PR-A"
 - (18) From Sta 15+37.88 "PR-A" to Sta. 16+37.88 "PR-A"
 - (26) From Sta. 40+72.00 "PR-A" to Sta. 41+72.00 "PR-A"
 - (18) From Sta 41+72.00 "PR-A" to Sta. 42+72.00 "PR-A"

LEGEND

- 330 #/Sys HMA Surface, Type B (Placed in One Lift) on 6" Compacted Aggregate, No. 53 on Subgrade Treatment, Type III To Be Constructed if Funds Become Available
- R Mill and Resurface 1.5" (Min.) Milling, Asphalt, then 165 #/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Existing Pavement
- ELGI

 (§) Full Depth IMMA Pavement.

 165 #/sys CP(QA-HMA, 3, 70, Surface, 9,5 mm on 275 #/sys CP(QA-HMA, 3, 70, Intermediate, 19,9 mm on 440 #/sys QC(QA-HMA, 3, 70, Intermediate, 19,9 mm on 440 #/sys QC(QA-HMA, 3, 64, Base, 25,0 mm on 660 #/sys QC(QA-HMA, 4, 76, Intermediate, OG 19,0 mm on 650 #/sys QC(QA-HMA, 3, 64, Base, 25,0 mm on 50-dayade Treatment, Type IC.
 - (c) 165 #/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Widening with HMA, Type C, Consisting of 275 #/Sys HMA Intermediate, Type C on 440 #/Sys HMA Base, Type C on 200 #/Sys Intermediate, O Type C on 660 #/ys HMA, Base, Type C on 550 #/ys HMA, Base, Type C on 550 #/ys HMA, Base, Type C on 550 #/SHMA, Base, Type C

Subgrade Treatment, Type IC

- (U) Underdrain, 6" S Seed Mixture, U
- (5) Curb and Gutter, Concrete, Modified, Type II
 - (16) Curb and Gutter, Concrete, Modified, Type III
 - (17) Center Curb, D, Concrete

(18) 13" PCCP (Decorative) on 8" Compacted Aggregate, No. 53 Subgrade Treatment, Type IC



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RECOMMENDED FOR APPROVAL			
_	DESIG	N ENGINEER	DATE
DESIGNED: SCW		DRAWN: HSW	
CHECKED: CCR		CHECKED: CCF	t .

INDIANA DEPARTMENT OF TRANSPORTATION OLIO ROAD

TYPICAL SECTIONS

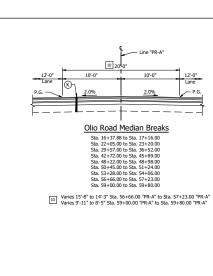
Olio Road Right Turn Varies 0'-0" to 12'-0" Sta. 20+05.00 "PR-A" to Sta. 21+05.00 "PR-A" Equals 12"-0" Sta. 21+05.00 "PR-A" to Sta. 23+20.05 "PR-A" Varies 12'-0" to 0'-0" Sta. 23+20.05 "PR-A" to Sta. 24+40.00 "PR-A"

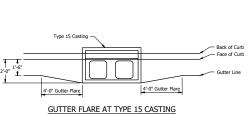
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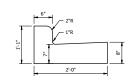
Des. No. 2101733

Appendix B: Graphics

B28



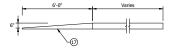


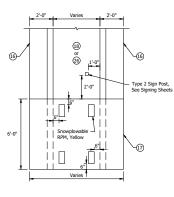


Not To Scale

(§) Curb and Gutter, Concrete, Modified, Type II Not To Scale

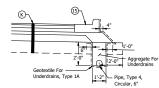
E UMA For Cidouall





① Center Curb, D, Concrete

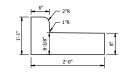
Not To Scale



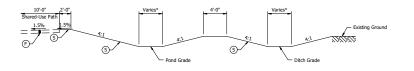
HMA UNDERDRAIN DETAIL FOR CURB AND GUTTER

NOT TO SCALE

Right Shown, Reverse for Left



6 Curb and Gutter, Concrete, Modified, Type III Not To Scale



Detention Ditch Pond Not To Scale *See Detention Detail Sheets

330 #/Sys HMA Surface, Type B (Placed in One Lift
6" Compacted Aggregate, No. 53 on
Subgrade Treatment, Type III
To Be Constructed if Funds Become Available
R Mill and Resurface

1.5" (Min.) Milling, Asphalt, then 165 #/Sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Existing Pavement

LEGEND ELGI

(§) Full Depth IMMA Pavement.

165 #/sys CP(QA-HMA, 3, 70, Surface, 9,5 mm on 275 #/sys CP(QA-HMA, 3, 70, Intermediate, 19,9 mm on 440 #/sys QC(QA-HMA, 3, 70, Intermediate, 19,9 mm on 440 #/sys QC(QA-HMA, 3, 64, Base, 25,0 mm on 660 #/sys QC(QA-HMA, 4, 76, Intermediate, OG 19,0 mm on 650 #/sys QC(QA-HMA, 3, 64, Base, 25,0 mm on 50-dayade Treatment, Type IC.

(G) 165 #/Sys QC/QA+HMA, 3, 70, Surface, 9.5 mm on Widening with HMA, Type C, Consisting of 275 #/59: HMA Intermediate, Type C on 440 #/Sys HMA flasemediate, Type C on 200 #/Sys Intermediate, Of Type C on 660 #/s HMA, Base, Type C on Subgrader Teatment, Type IC

U Underdrain, 6" (5) Curb and Gutter, Concrete, Modified, Type II S Seed Mixture, U

(16) Curb and Gutter, Concrete, Modified, Type III

(18) 13" PCCP (Decorative) on 8" Compacted Aggregate, No. 53 Subgrade Treatment, Type IC

(17) Center Curb, D, Concrete 26 Sodding, Nursery



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	DESIG	N ENGINEER	R	DATE
DESIGNED: SCW		DRAWN:	HSW	
CHECKED: CCR		CHECKED:	CCR	

TAIDTANIA	HORIZONIAL SOILL	DRIDGE FILE		
INDIANA	1" = 5'	-		
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION		
DEPARTMENT OF TRANSPORTATION	N/A	2101733		
	SURVEY BOOK	SHEETS		
OLIO ROAD	-	5	of	Ī
TYPICAL SECTIONS	CONTRACT	PROJECT		
TIFICAL SECTIONS	R-44267	2101733		

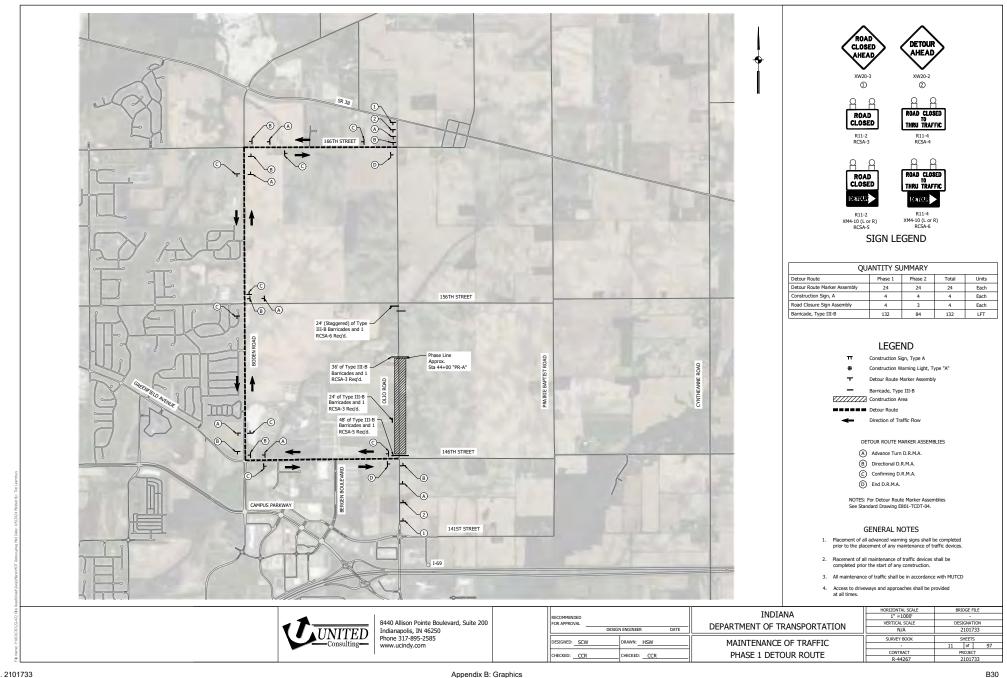
Des. No. 2101733

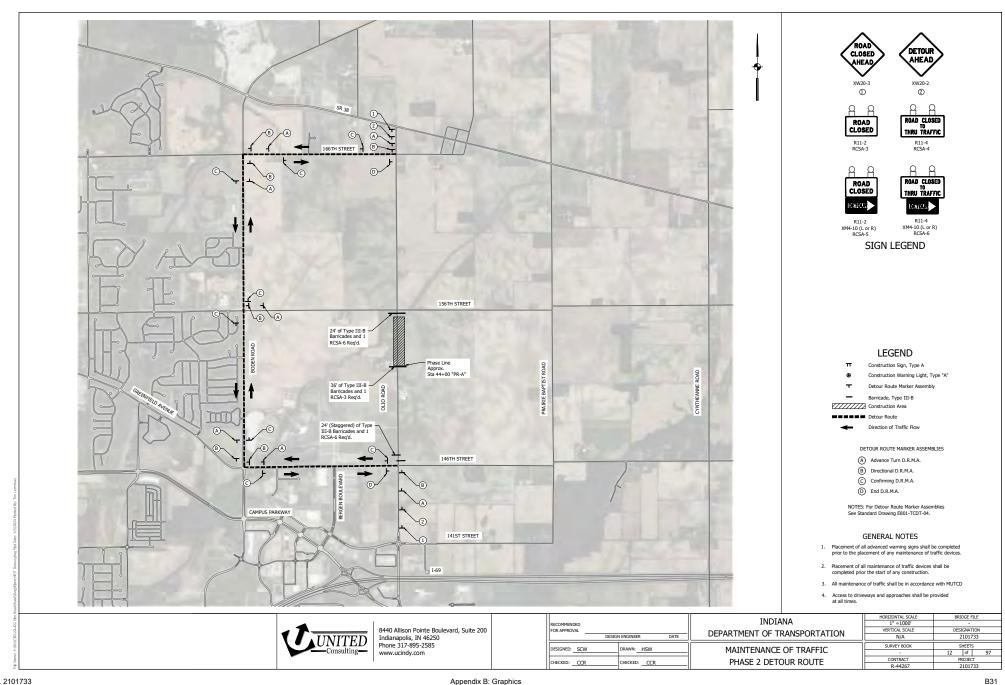
Appendix B: Graphics

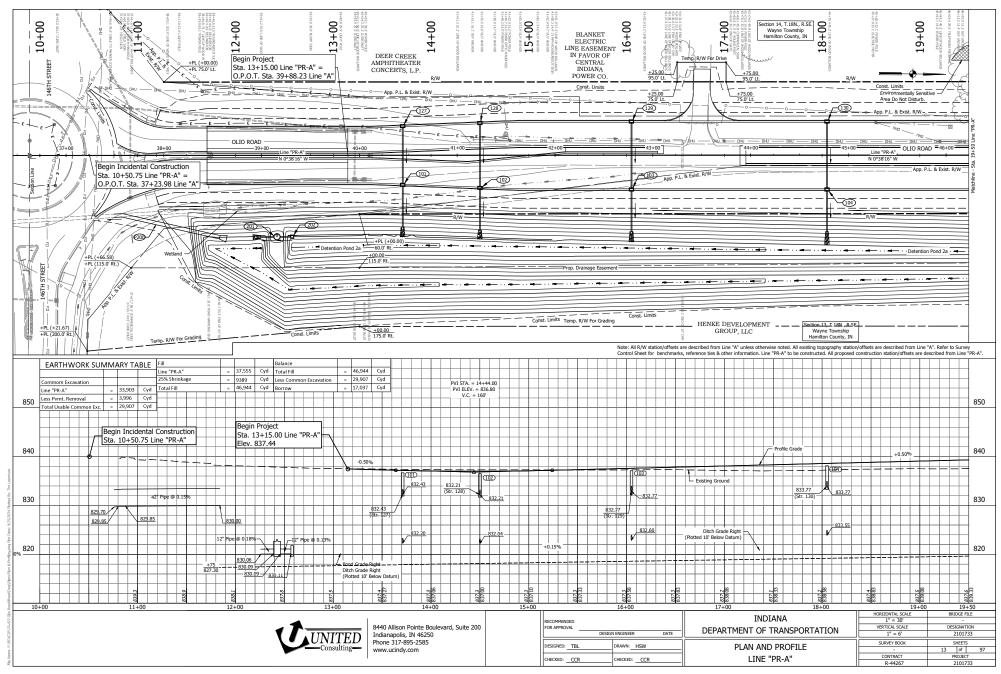
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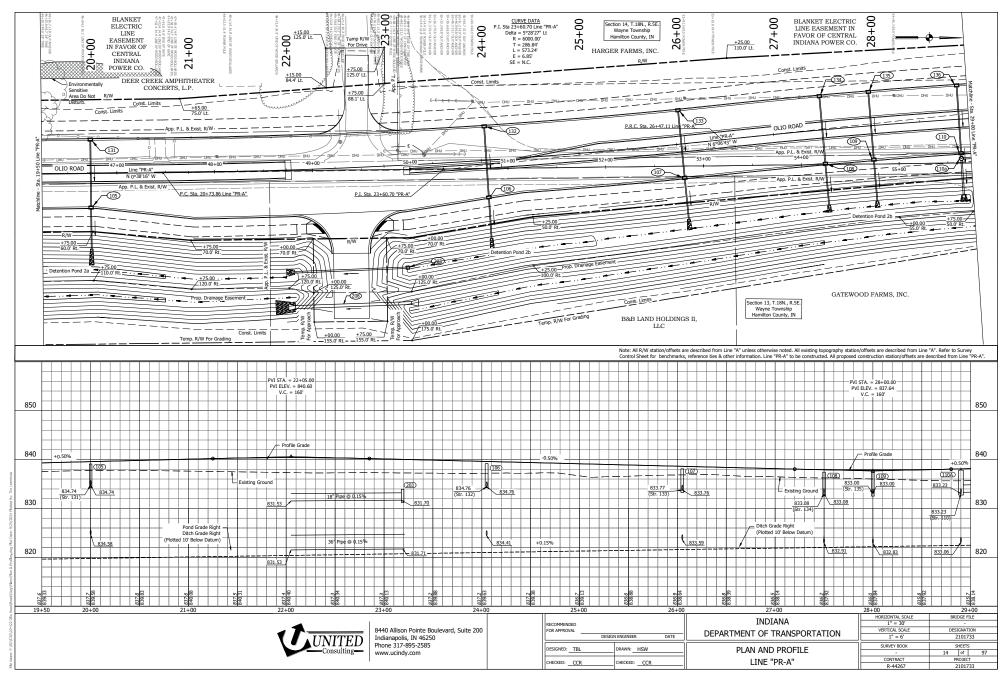
BRIDGE FILE

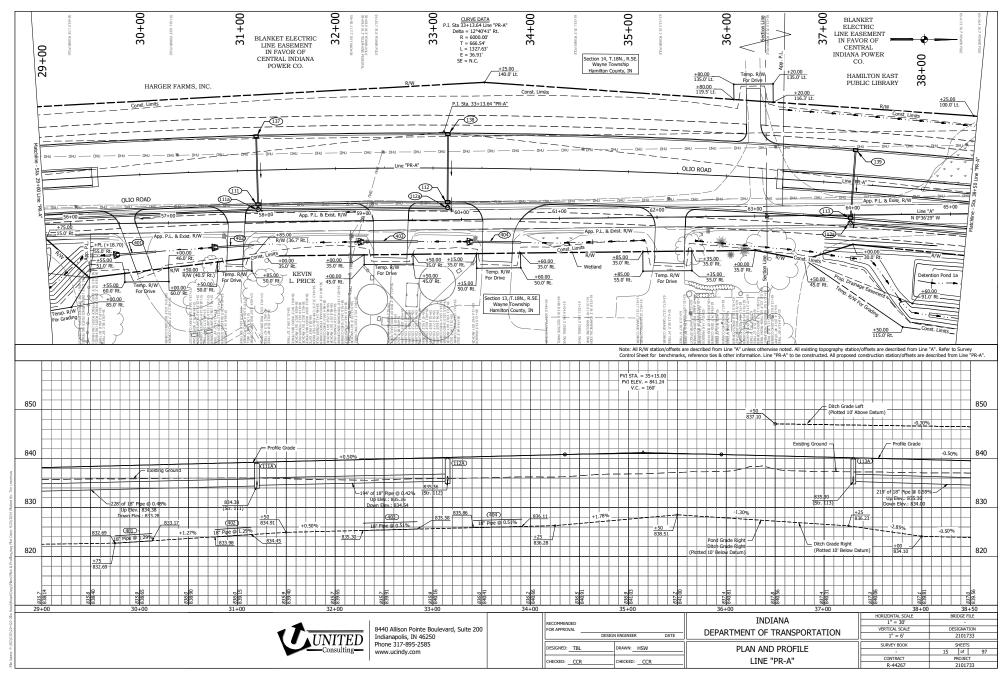
2101733

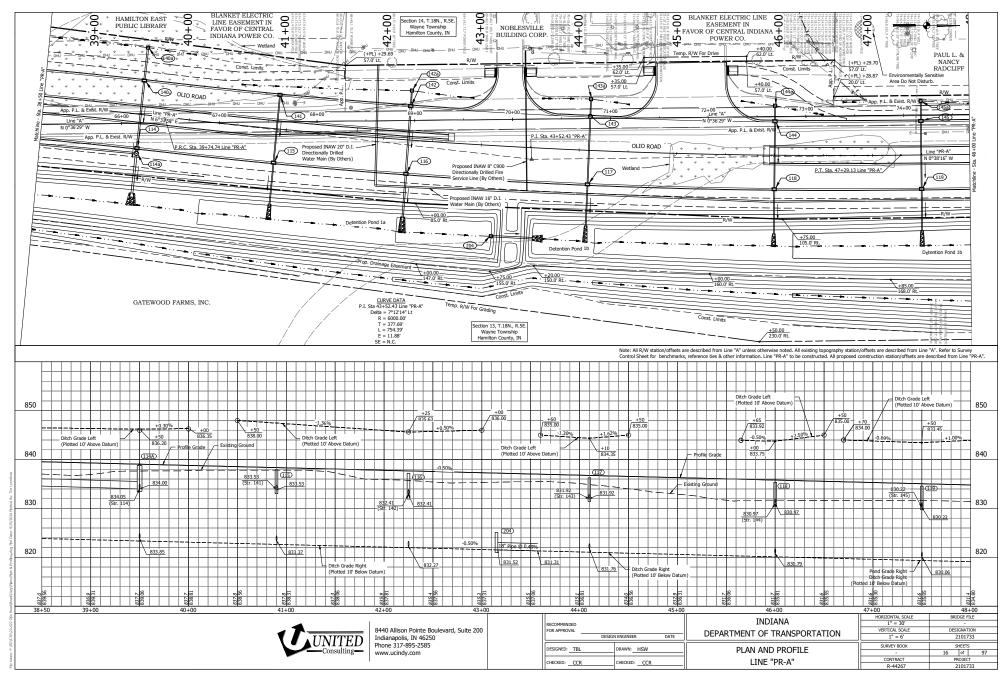


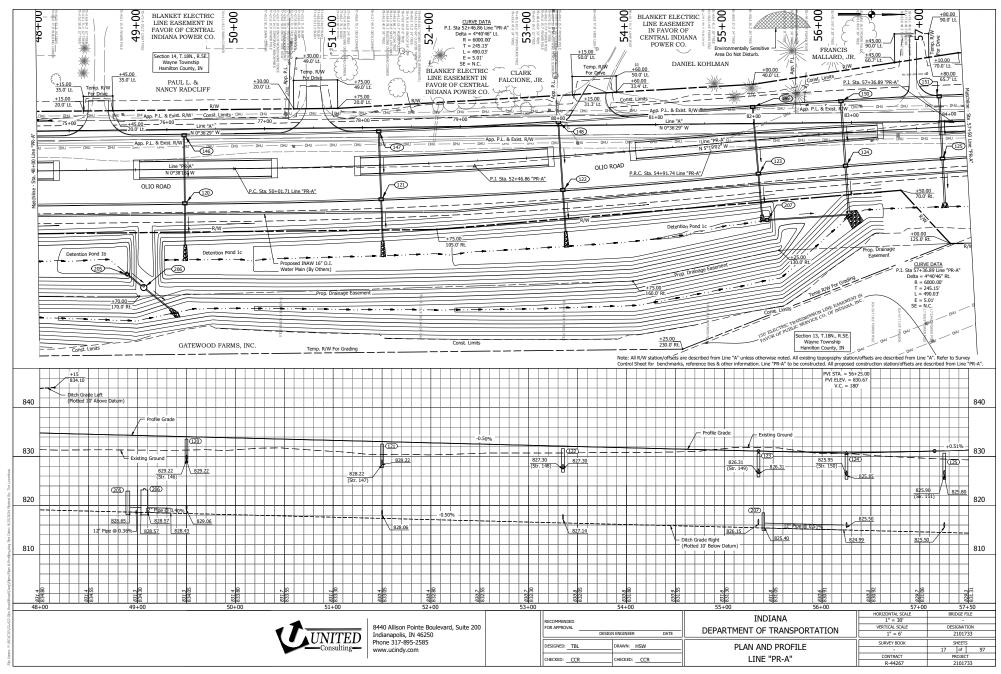


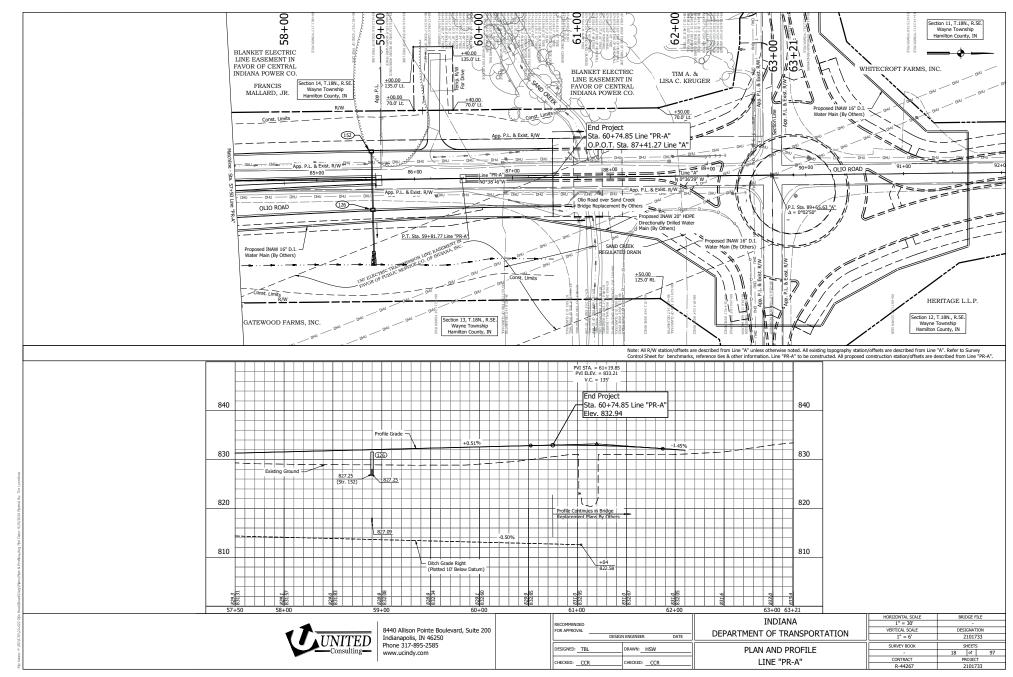


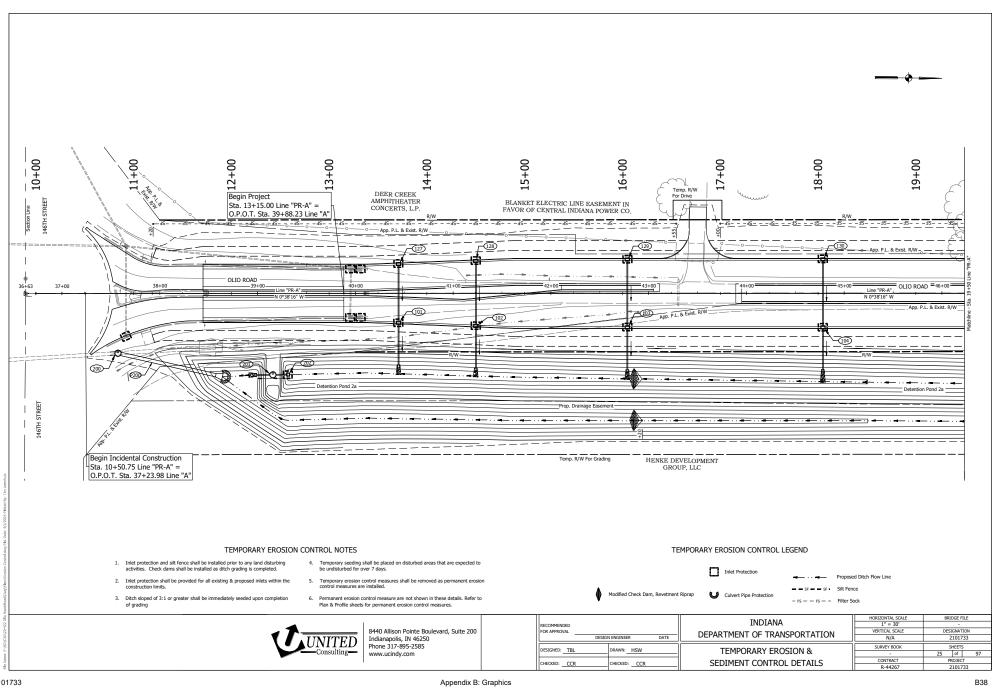


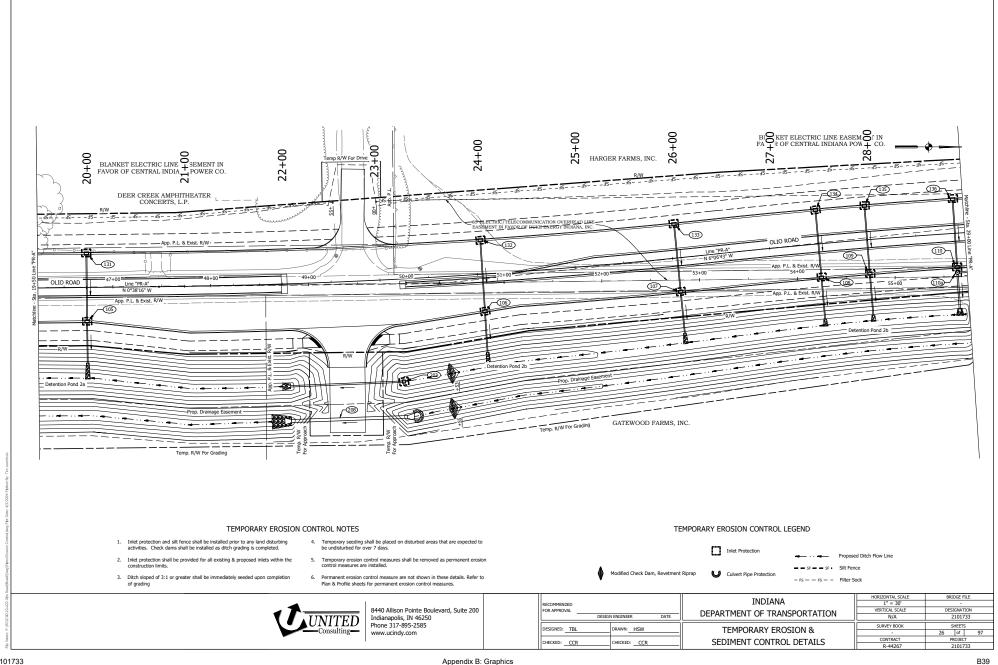


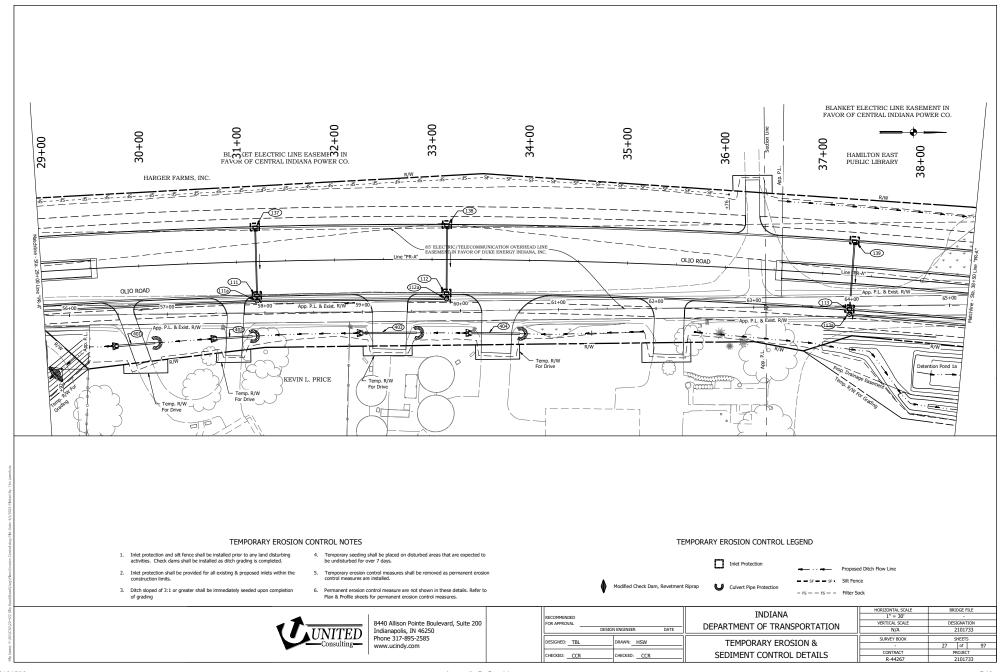


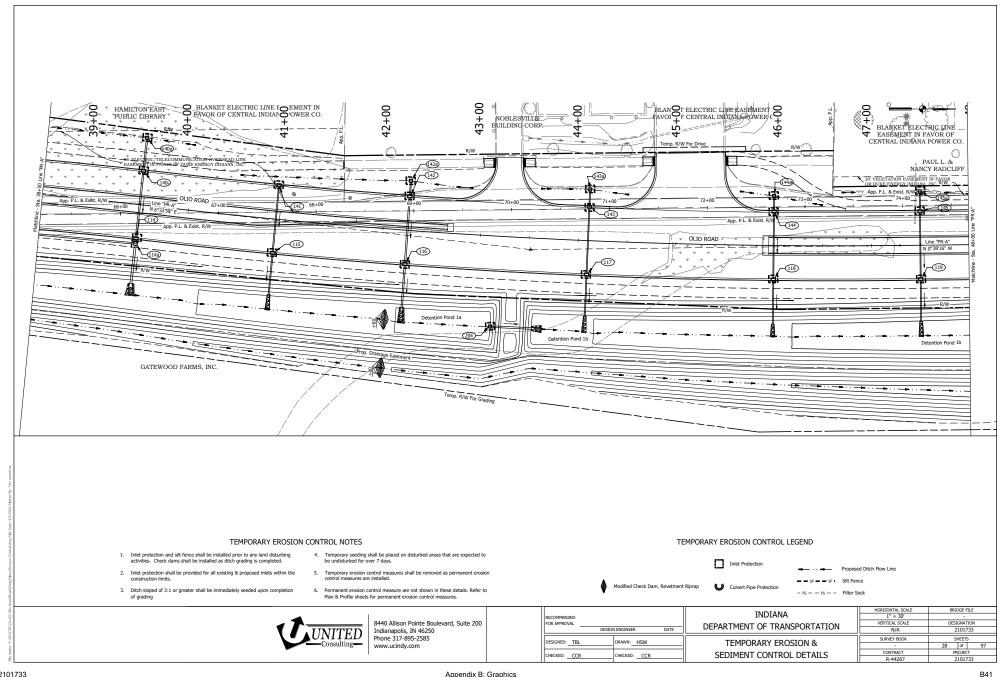


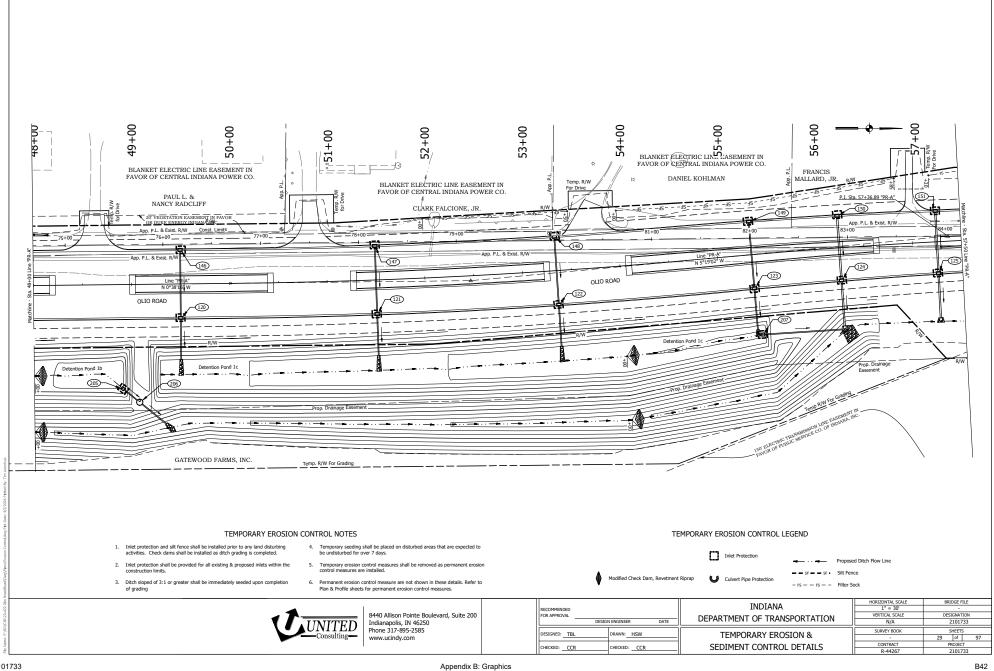


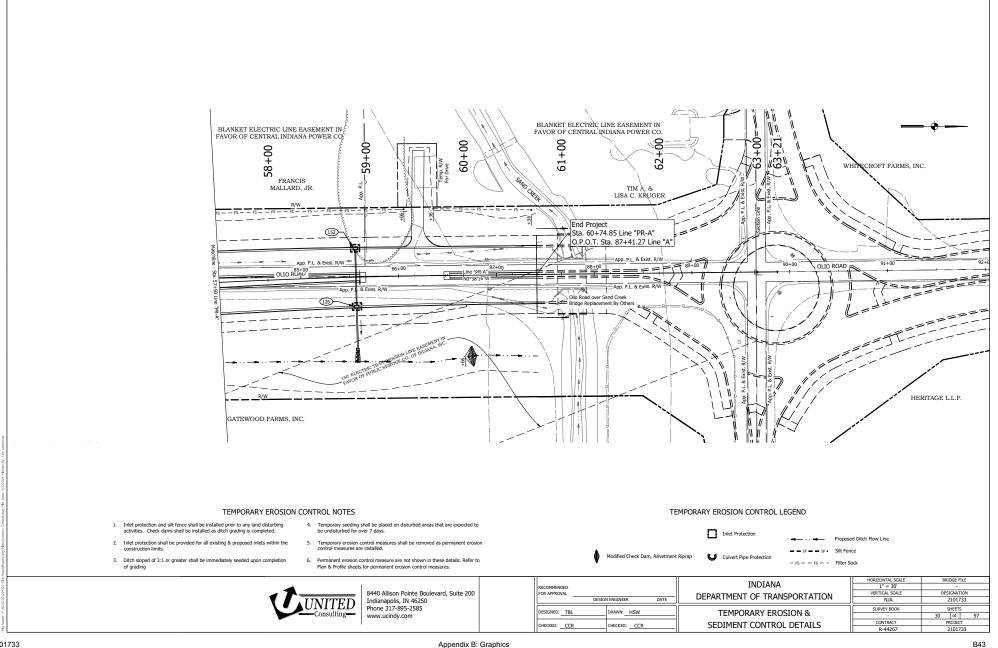


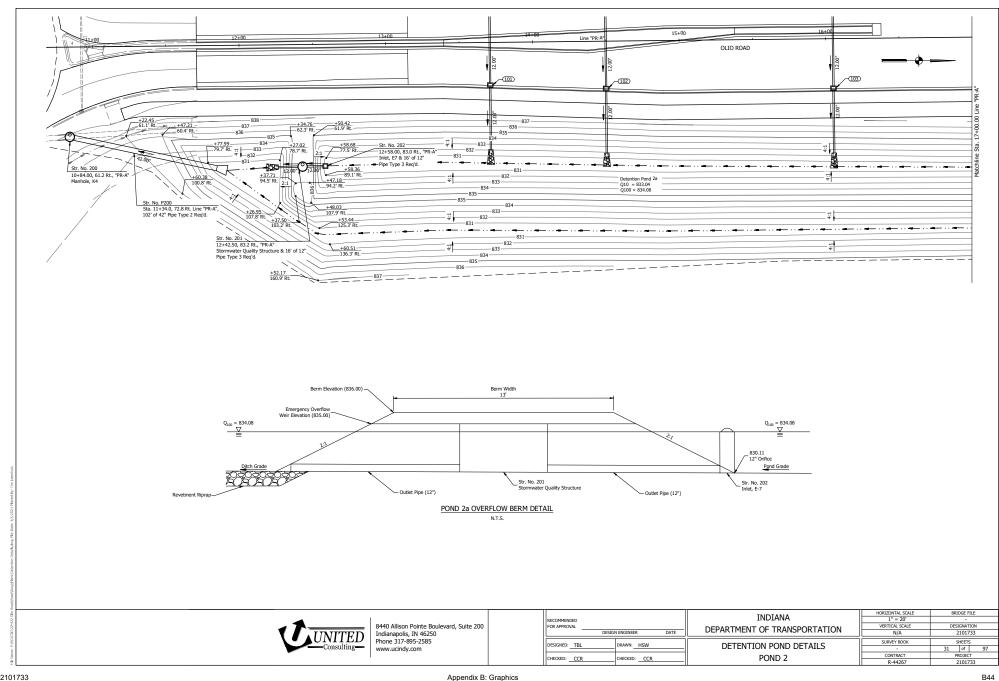


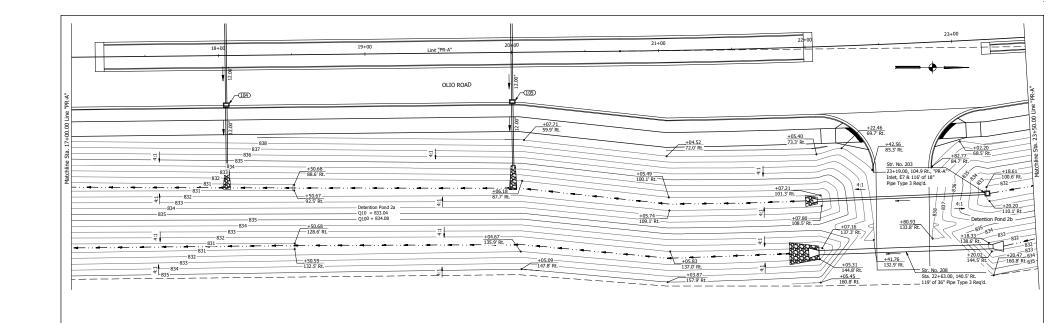


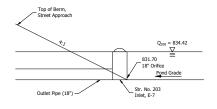








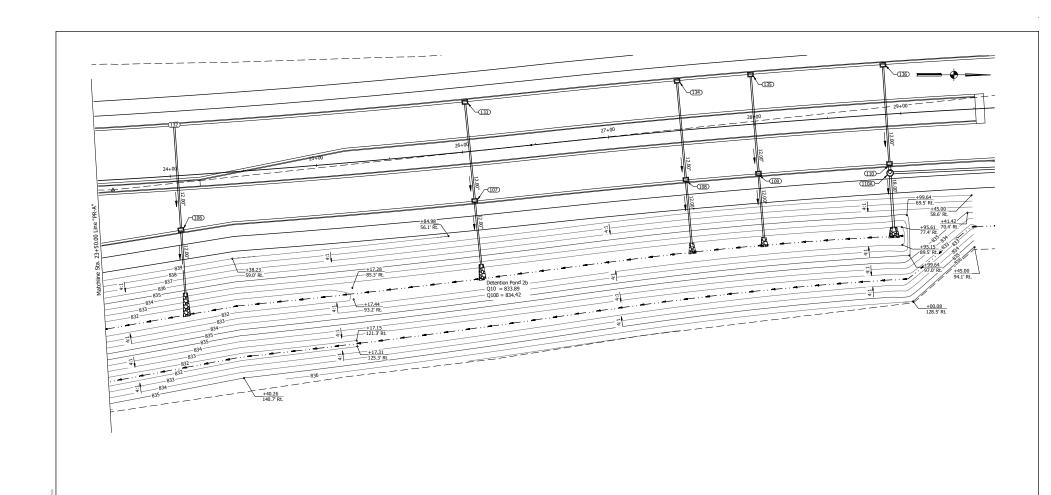




POND 2b OUTLET STRUCTURE DETAIL N.T.S.

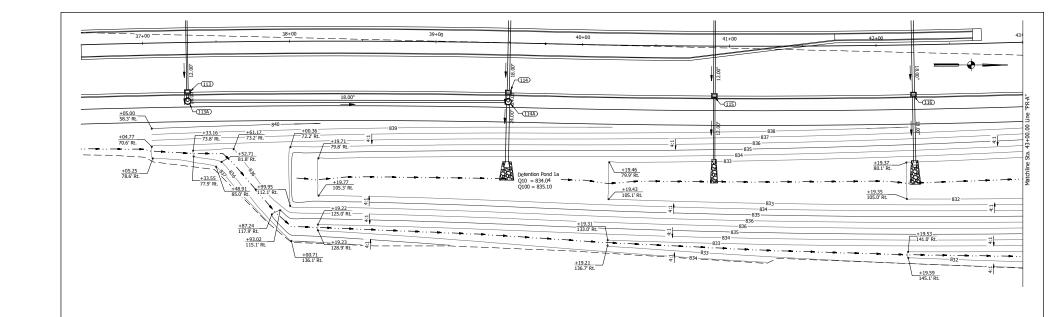
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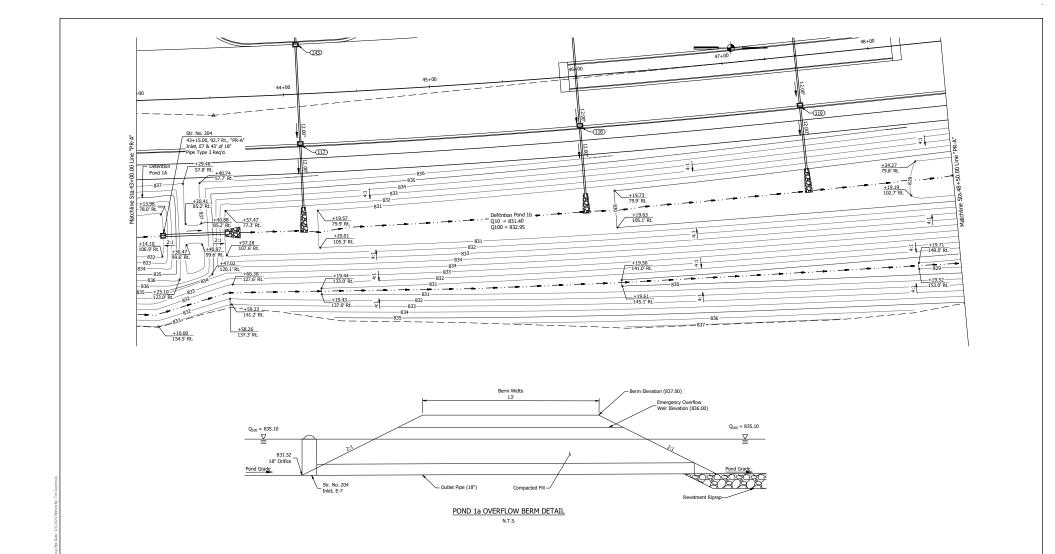
<u>UNITED</u>
Consulting

8440 Allison Pointe Boulevard, Suite 200 Indianapolis, IN 46250 Phone 317-895-2585 www.ucindy.com RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE INDIANA DEPARTMENT OF TRANSPORTATION IN 1° 20′ ... USES OF TRANSPORTATION IN



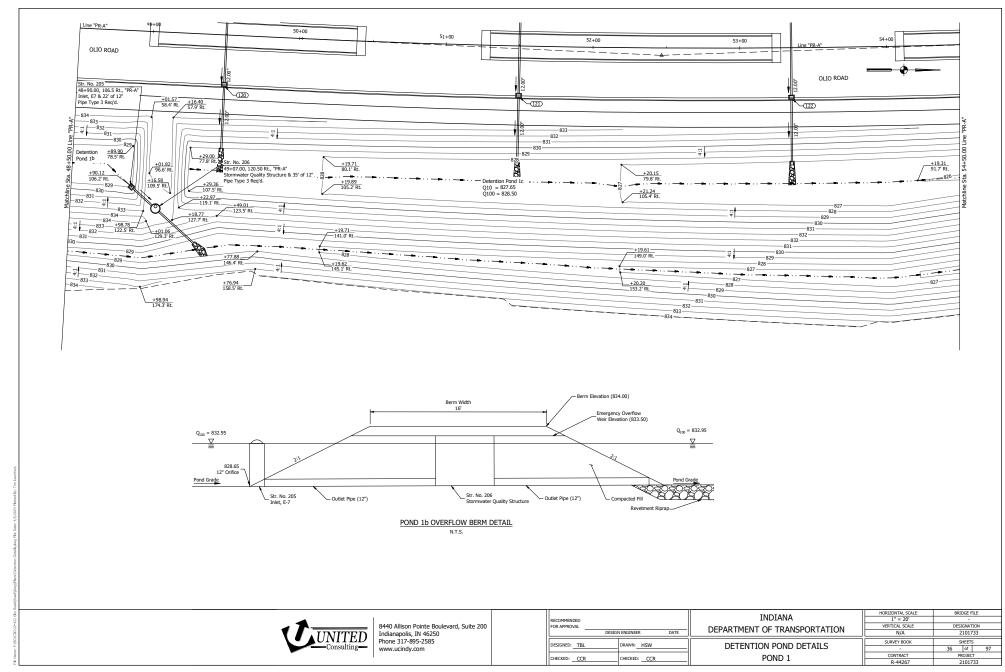
UNITED Consulting

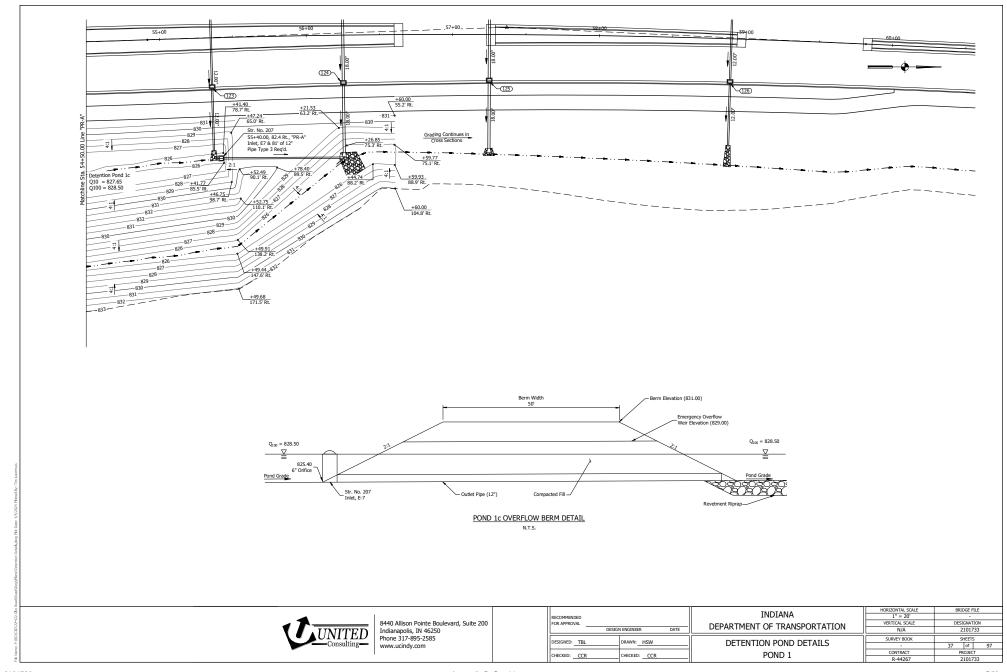
8440 Allison Pointe Boulevard, Suite 200 Indianapolis, IN 46250 Phone 317-895-2585 www.ucindy.com | RECOMMENICED | POR APPROVAL | DESIGN ENGINEER DATE | DEPARTMENT OF TRANSPORTATION | DESIGNATION | DEPARTMENT OF TRANSPORTATION | DESIGNATION | DEPARTMENT OF TRANSPORTATION | DESIGNATION | DESIGNATION | DEPARTMENT OF TRANSPORTATION | DESIGNATION | DEPARTMENT OF TRANSPORTATION | DEPARTMENT

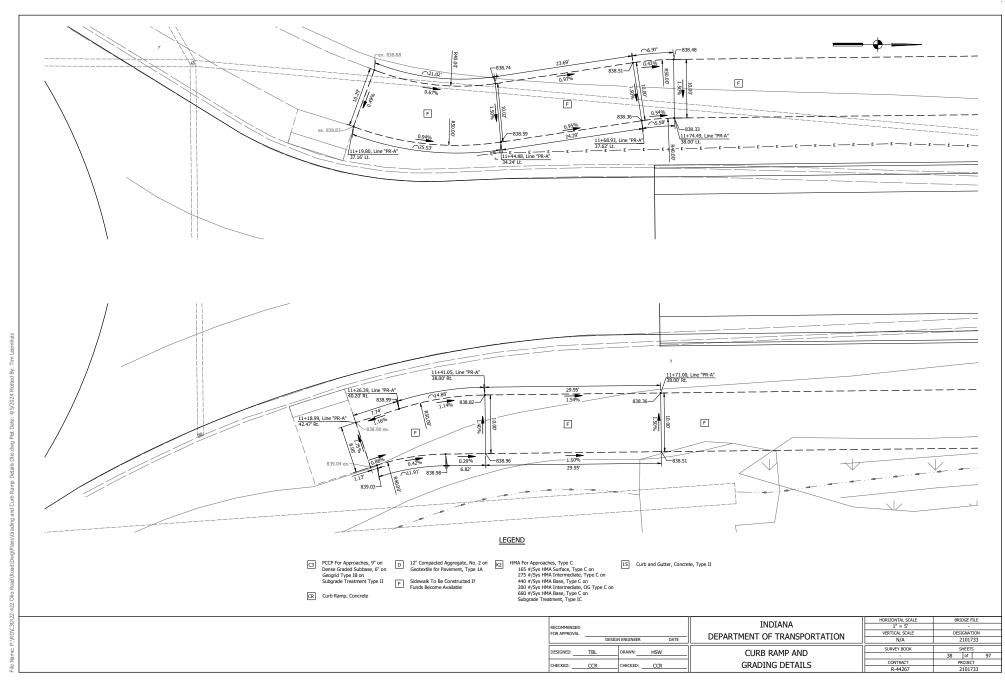


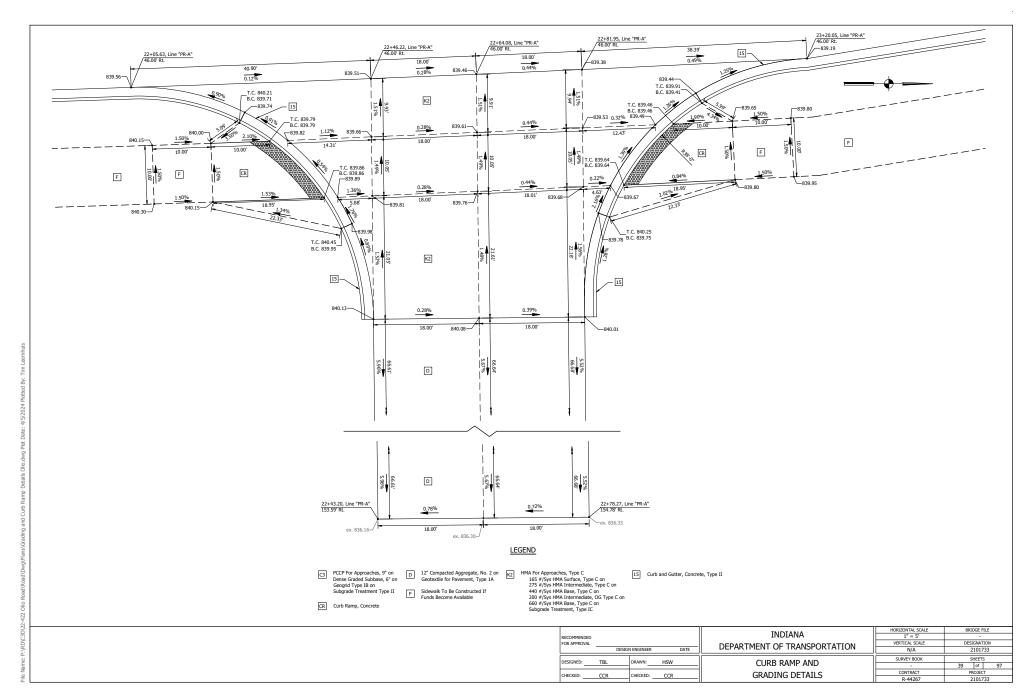


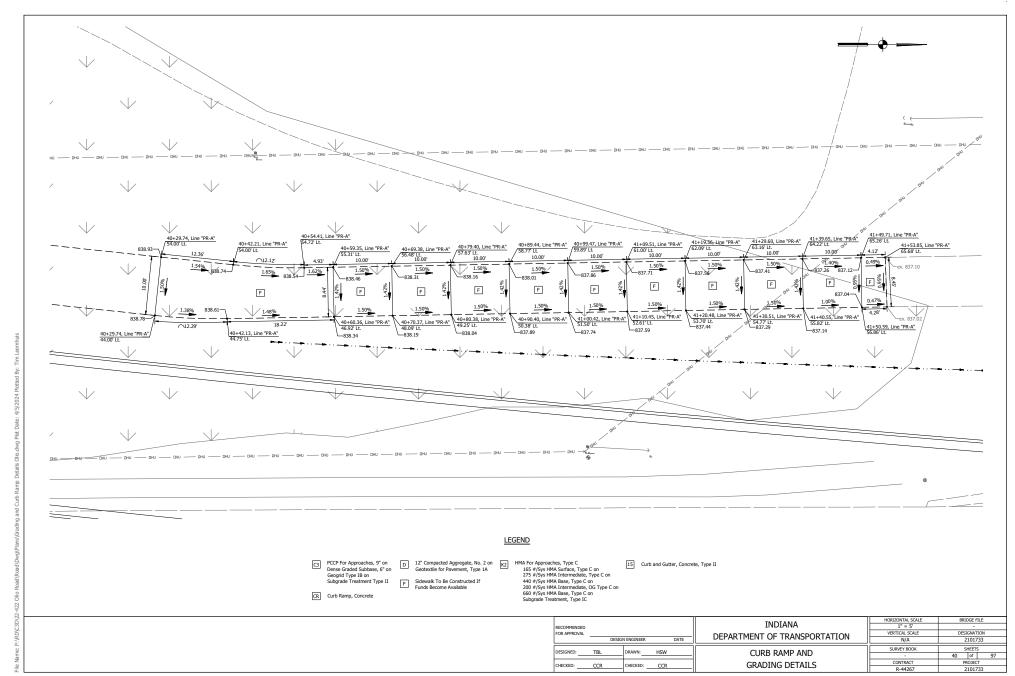
	TAIDTANIA	HORIZONTAL SCALE	BRIDGE FILE
RECOMMENDED	INDIANA	1" = 20'	-
FOR APPROVAL	DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
DESIGN ENGINEER DATE	DEPARTMENT OF TRANSPORTATION	N/A	2101733
DESIGNED: TBI DRAWN: HSW	DETENTION DOND DETAILS	SURVEY BOOK	SHEETS
DESIGNED. TBL DIOWN. HOW	DETENTION POND DETAILS	-	35 of 97
CHECKED: CCR CHECKED: CCR	POND 1	CONTRACT	PROJECT
CHECKED. CCK	FONDI	R-44267	2101733

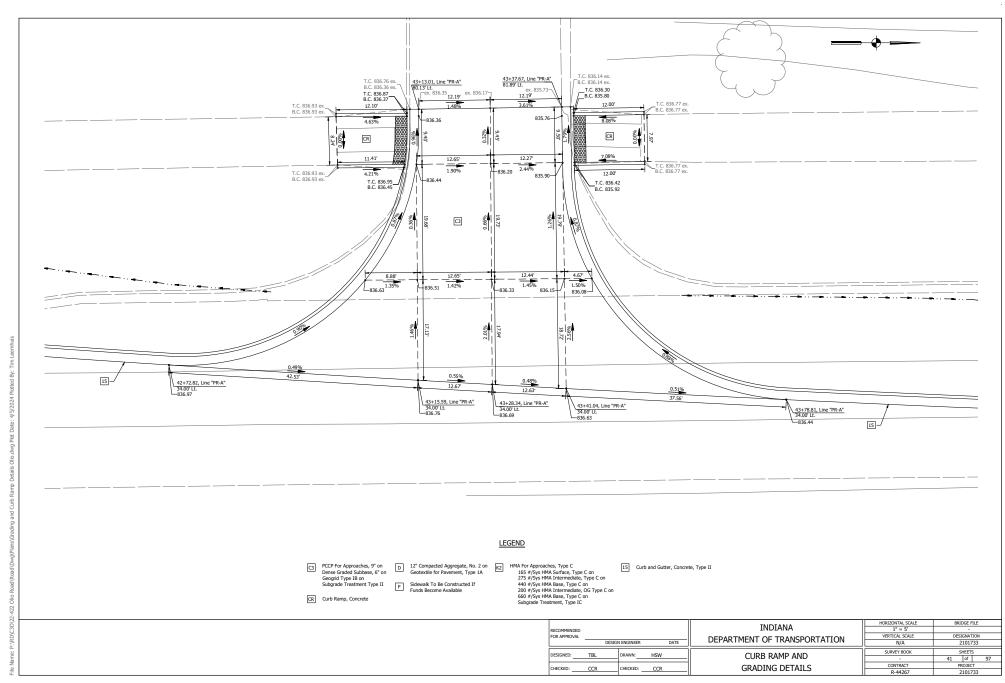


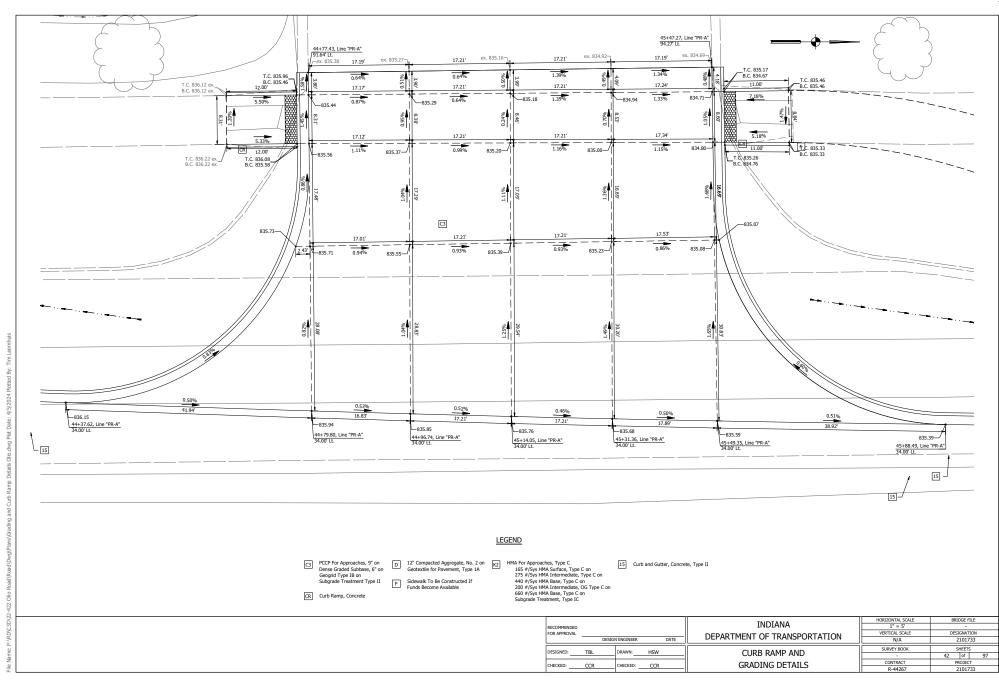


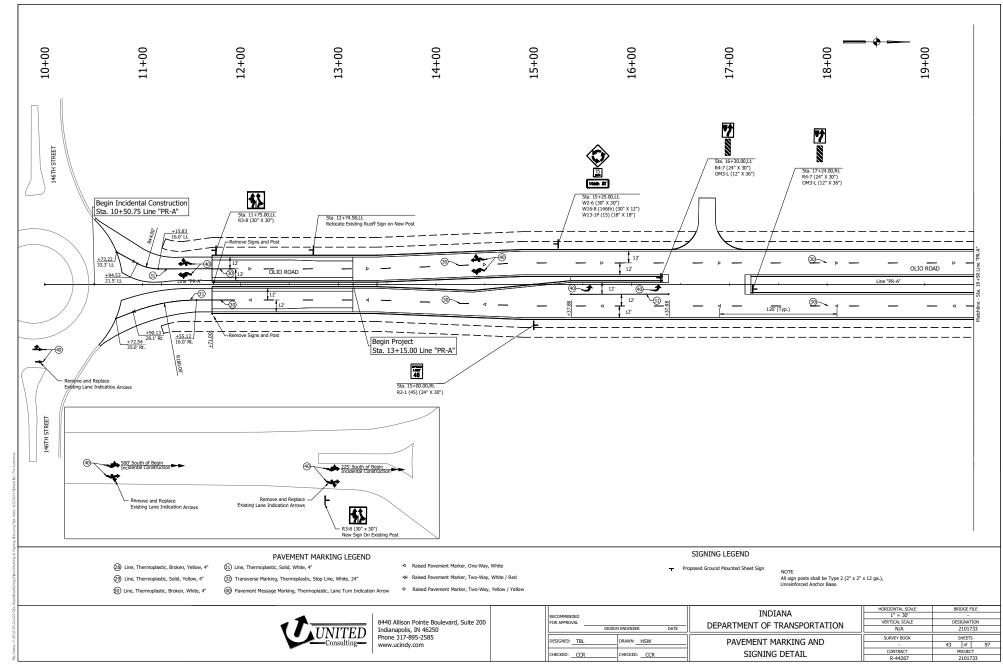


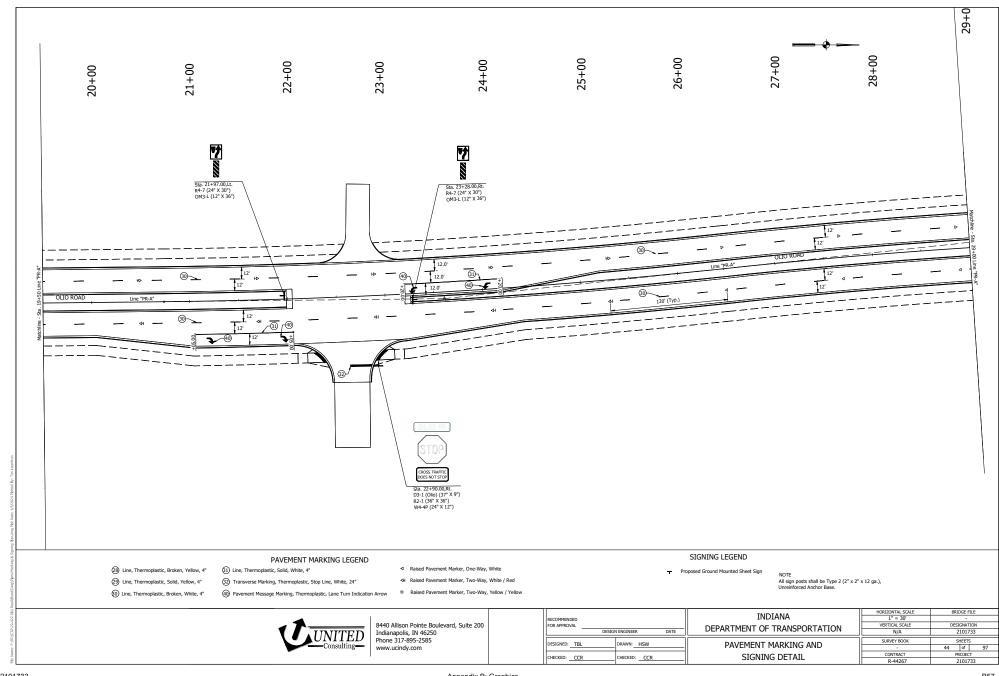


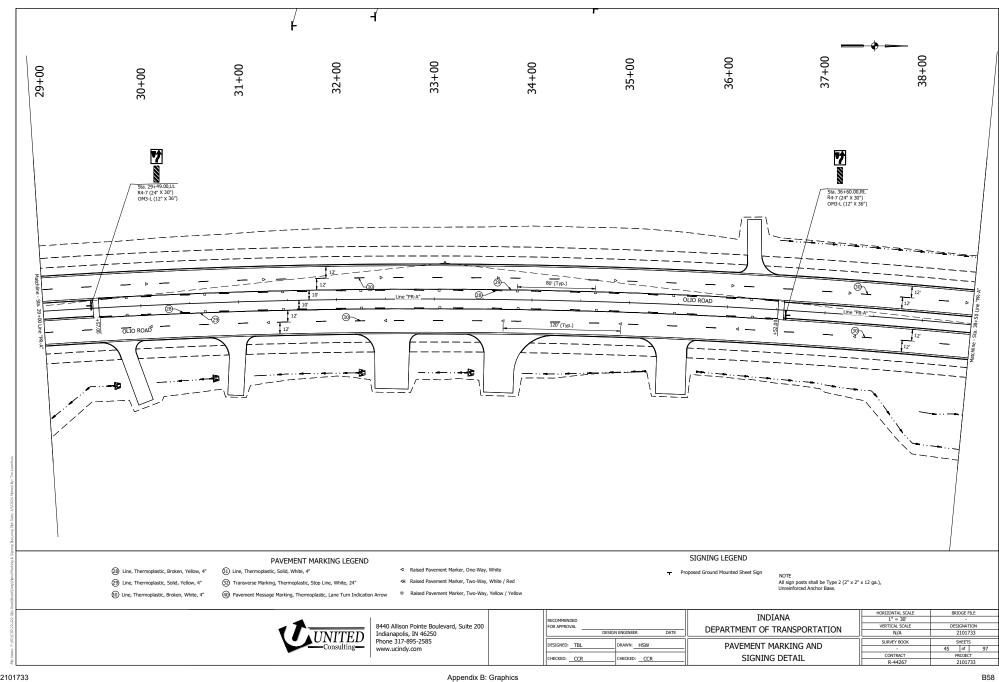


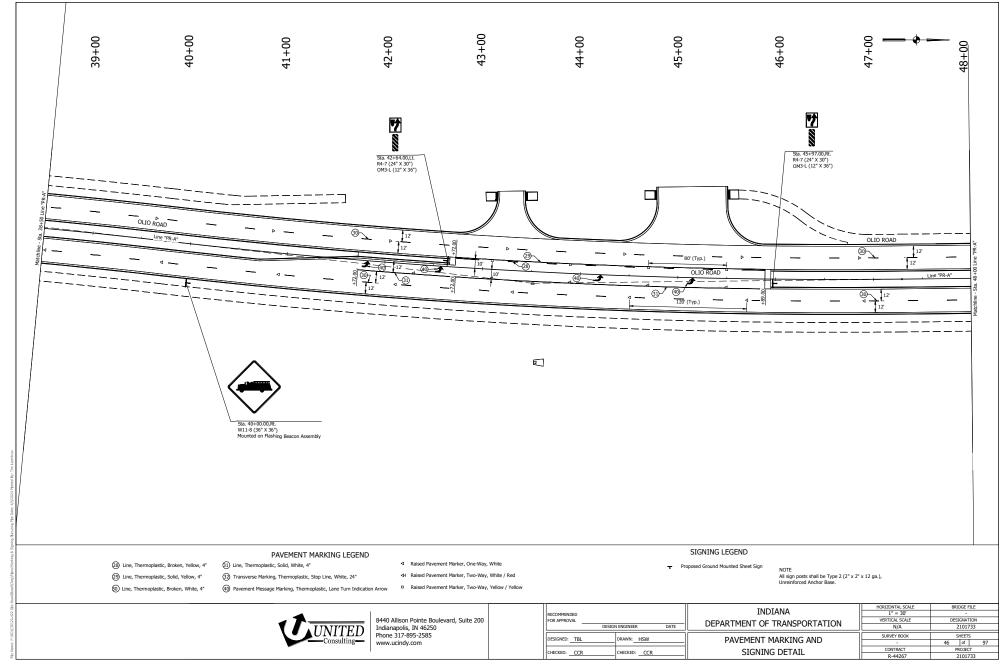


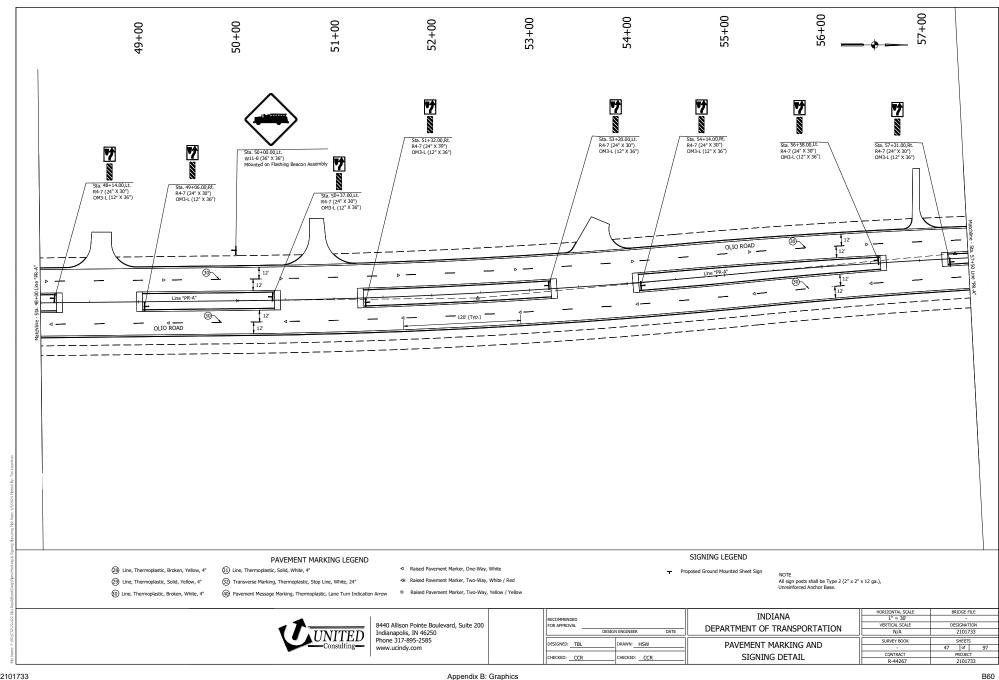


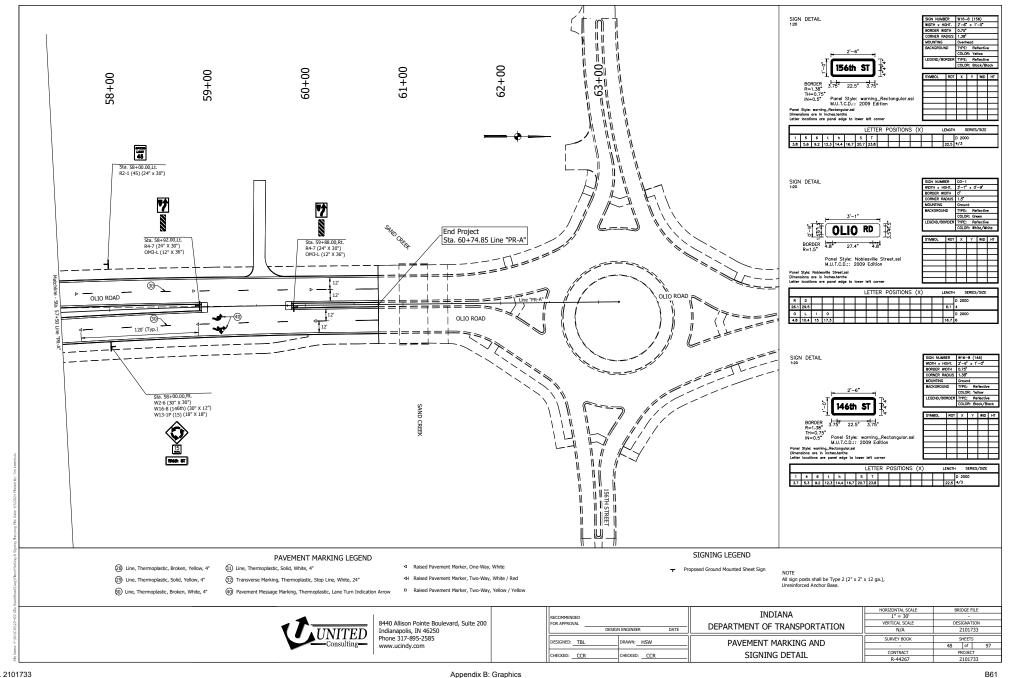












													STRU	JCTURE	DATA	A TABLE															-
STRUCTURE			LOCATION			SIZE	TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY	LENGTH	SKEW	COVER	FLOV	VLINE	WICE LIFE	DESIGNATION	Н	SACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE BACKFILL TYPE 5	REVETMENT	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO NSPECTION FOR PIPES	PIPE END SECTION, CONCRETE	1 .	GRATED BOX END SECTION		SAFETY METAL END	L	CT TO STR. NO.	REMARKS
STRU	STATION	LEFT	RIGHT	CROSS	OFFS		PIPE	STRUCTURE		×			DOWN STREAM		SITE DES		BACKFILL											SECTIO		CONNEC	
					FT	IN			LFT		FT	ELEV.	ELEV.	YR.				CYS	TON	TON	TON	SYS	LFT	EACH	TYPE	SLOPE E	ACH	SLOPE E	ACH	=	
Line "PR-A"																+-									\vdash	-+	-	-+	\rightarrow	\rightarrow	
101	12+86.0		x		29.5	12	2	Inlet, J10	43		1.3	832.78	832.62	75	N/A	7.0	1						43		=	=		=	-	c	Outfall to Pond 2a
102	14+00.0		х		32.4	12	2	Inlet, J10	43		1.3	832.27	832.10	75	N/A	7.0	1						43			_		_	#	c	Outfall to Pond 2a
103	14+50.0		x		34.4	12	2	Inlet, J10	43		1.3	832.19	832.02	75	N/A	7.0	1						43			\rightarrow		\rightarrow	_		Outfall to Pond 2a
104	15+00.0		×		36.0	12	2	Inlet, J10	43		1.3	832.27	832.11	75	N/A	7.0	1						43		\blacksquare	=		=	4	c	Outfall to Pond 2a
105	16+30.0		×		35.5	12	2	Inlet, J10	43		1.3	832.89	832.72	75	N/A	7.0	1						43			$\overline{}$		\rightarrow	\dashv	c	Outfall to Pond 2a
106	18+35.0		x		35.5	12	2	Inlet, J10	42		1.3	833.92	833.76	75	N/A	7.0	1						42		=	=		=	=	c	Outfall to Pond 2a
107	20+00.0		×		35.5	12	2	Inlet, J10	42		1.3	834.74	834.58	75	N/A	7.0	1						42			Ħ		#	#	c	Outfall to Pond 2a
108	23+25.0		×		47.0	12	2	Inlet, J10	41		1.3	835.12	834.96	75	N/A	7.0	1						41			=		#	7	c	Outfall to Pond 2b
109	24+75.0		×		35.5	12	2	Inlet, J10	42		1.3	834.42	834.26	75	N/A	7.0	1						42			\rightarrow		_	_		Outfall to Pond 2b
110	26+25.0		×		35.5	12	2	Inlet, J10	42		1.3	833.67	833.51	75	N/A	7.0	1						42			_		_	—	c	Outfall to Pond 2b
111	27+50.0		×		35.5	12	2	Inlet, J10	40		1.3	833.08	832.92	75	N/A	7.0	1						40			_		_	=	c	Outfall to Pond 2b
112	28+00.0		×		35.5	12	2	Inlet, J10	42		1.3	833.00	832.84	75	N/A	7.0	1						42		\blacksquare	=		_	_	c	Outfall to Pond 2b
113	28+25.0		х		35.5	12	2	Inlet, J10	42		1.3	833.02	832.86	75	N/A	7.0	1						42		\blacksquare	\equiv		_	_	C	Outfall to Pond 2b
114	28+90.0		×		35.5	12	2	Inlet, J10	5		2.9	833.25	833.23	75	N/A	7.0	1						5					#	_	114a	
114a	28+90.0		×		40.0	12	2	Manhole, C4	37		1.6	833.23	833.09	75	N/A	7.0	1						37					_	#	c	Outfall to Pond 2b
115	31+50.0		×		35.5	12	2	Inlet, J10	5		2.9	834.56	834.54	75	N/A	7.0	1						5		\blacksquare	7		#	4	115a	
115a	31+50.0		x		40.0	12	2	Manhole, C4	258		3.0	834.44	833.66	75	N/A	7.0	1						258			=		=	\dashv	114a	
116	33+30.0		×		35.5	12	2	Inlet, J10	5		2.9	835.47	835.45	75	N/A	7.0	1						5					=	\dashv	116a	
116a	33+30.0		х		40.0	12	2	Manhole, C4	179		3.1	835.45	834.75	75	N/A	7.0	1						179			\equiv		=	_	115a	
117	37+30.0		х		35.5	12	2	Inlet, J10	5		2.9	835.33	835.31	75	N/A	7.0	1						5			\equiv		_	_	117a	
117a	37+30.0		×		40.0	12	2	Manhole, C4	219		2.7	835.53	834.90	75	N/A	7.0	1						219		\blacksquare	\equiv		#	#	118a	
118	39+50.0		×		35.5	12	2	Inlet, J10	5		2.9	834.23	834.21	75	N/A	7.0	1						5			_		#	_	118a	
118a	39+50.0		x		40.0	12	2	Manhole, C4	37		1.6	834.21	834.07	75	N/A	7.0	1						37					_	_	C	Outfall to Pond 1a
119 119	40+90.0		×		35.5	12	2	Inlet, J10	42		1.3	833.53	833.37	75	N/A	7.0	1						42					#	#	c	Outfall to Pond 1a
120	42+25.0		х		35.5	12	2	Inlet, J10	42		1.3	832.85	832.69	75	N/A	7.0	1						42			#		#	#	C	Outfall to Pond 1a
121	44+10.0		x		35.5	12	2	Inlet, J10	42		1.3	831.92	831.76	75	N/A	7.0	1						42			#		#	#	C	Outfall to Pond 1b
122 to 122	46+00.0		х		35.5	12	2	Inlet, J10	42		1.3	830.97	830.81	75	N/A	7.0	1						42			=	_	#	#	C	Outfall to Pond 1b
123	47+50.0		x		35.5	12	2	Inlet, J10	42		1.3	830.22	830.06	75	N/A	7.0	1						42		\blacksquare	#		#	#	C	Outfall to Pond 1b
124 124	49+35.0		х		35.5	12	2	Inlet, J10	42		1.3	829.30	829.14	75	N/A	7.0	1						42		=	\dashv		#	#	C	Outfall to Pond 1c
125	51+25.0		х		35.5	12	2	Inlet, J10	42		1.3	828.35	828.19	75	N/A	7.0	1						42			_		#	#	c	Outfall to Pond 1c
126	53+10.0		х		35.5	12	2	Inlet, J10	42		1.3	827.42	827.26	75	N/A	7.0	1						42			二		<u></u>	二		Outfall to Pond 1c
No Rosa																—г					Ш			TAIDTANIA				HORIZO	ONTAL SCAL	LE	BRIDGE FILE

- 1	
	UNITED
_	—Consulting—

ı			TNIDTANIA	HORIZONTAL SCALE
ı	RECOMMENDED		INDIANA	N/A
ı	FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE
ı	DESIGN	I ENGINEER DATE	DEPARTMENT OF TRANSPORTATION	N/A
ı				SURVEY BOOK
ı	DESIGNED: TBL	DRAWN: HSW	STRUCTURE DATA	JOHNET BOOK
ı				
ı	CHECKED: CCR	CHECKED: CCR	TABLE	CONTRACT
ı			17.DEL	R-44267

DESIGNATION
2101733
SHEETS
32 of 77
PROJECT
2101733

B62

												STRU	JCTURE	DATA	TABLE														
STRUCTURE NUMBER		LOCATION			SIZE	TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY	LENGTH	SKEW	COVER	FLOV	VLINE	VICE LIFE	DESIGNATION	Hd	ILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE SACKFILL TYPE 5	REVETMENT	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO ECTION FOR PIPES	PIPE END SECTION, CONCRETE		GRATED BOX END SECTION)	SAFETY METAL END	T TO STR.	REMARKS
STRU	STATION	LEFT	CROSS	OFFS		PPE	STRUCTURE		×			DOWN STREAM		SITE DESI	-	BACKFILL						INSF			ı		SECTION	CON NECT 1	TENDUIS.
				FT	IN			LFT		FT	ELEV.	ELEV.	YR.	0,			CYS	TON	TON	TON	SYS	LFT	EACH	TYPE	SLOPE	EACH	SLOPE EAC	н	
127	55+00.0	x		35.5	12	2	Inlet, J10	42		1.3	826.47	826.31	75	N/A	7.0	1						42							Outfall to Pond 1c
128	55+75.0	×		34.7	12	2	Inlet, J10	5		2.9	826.14	826.12	75	N/A	7.0	1						5						128a	
128a	55+75.0	x		39.2	12	2	Manhole, C4	50		3.3	826.12	825.90	75	N/A	7.0	1						50						129a	
129	56+25.0	x		34.1	12	2	Inlet, J10	5		2.9	826.08	826.06	75	N/A	7.0	1						5						129a	
129a	56+25.0	x		38.6	12	2	Manhole, C4	32		1.6	826.06	825.93	75	N/A	7.0	1						32							Outfall to Ditch
130	56+75.0	x		33.5	12	2	Inlet, J10	43		1.3	826.15	825.99	75	N/A	7.0	1						43							Outfall to Ditch
131	58+00.0	×		32.0	12	2	Inlet, J10	43		1.3	826.75	826.59	75	N/A	7.0	1						43							Outfall to Ditch
132	59+25.0	×		30.6	12	2	Inlet, J10	42		1.3	827.39	827.22	75	N/A	7.0	1						42							Outfall to Ditch
133	12+86.0	x		29.5	12	2	Inlet, J10	59		1.6	833.01	832.78	75	N/A	7.0	1						59						101	
134	14+00.0	x		31.9	12	2	Inlet, J10	64		1.6	832.54	832.27	75	N/A	7.0	1						64						102	
135	14+50.0	x		33.9	12	2	Inlet, J10	68		1.6	832.46	832.19	75	N/A	7.0	1						68						103	
136	15+00.0	x		35.5	12	2	Inlet, J10	71		1.6	832.54	832.27	75	N/A	7.0	1						71						104	
137	16+30.0	x		35.5	12	2	Inlet, J10	71		1.6	833.16	832.89	75	N/A	7.0	1						71						105	
138	18+35.0	x		35.5	12	2	Inlet, J10	71		1.6	834.19	833.92	75	N/A	7.0	1						71						106	
139	20+00.0	x		35.5	12	2	Inlet, J10	71		1.6	835.01	834.74	75	N/A	7.0	1						71						107	
140	23+25.0	x		35.5	12	2	Inlet, J10	83		1.7	835.44	835.12	75	N/A	7.0	1						83						108	
141	24+75.0	x		35.5	12	2	Inlet, J10	71		1.6	834.69	834.42	75	N/A	7.0	1						71						109	
142	26+25.0	x		35.5	12	2	Inlet, J10	71		1.6	833.94	833.67	75	N/A	7.0	1						71						110	
143	27+50.0	x		35.5	12	2	Inlet, J10	71		1.6	833.35	833.08	75	N/A	7.0	1						71						111	
144	28+00.0	x		35.5	12	2	Inlet, J10	71		1.6	833.27	833.00	75	N/A	7.0	1						71						112	
145	28+25.0	x		35.5	12	2	Inlet, J10	71		1.6	833.29	833.02	75	N/A	7.0	1						71						113	
146	28+90.0	x		35.5	12	2	Inlet, J10	71		1.6	833.52	833.25	75	N/A	7.0	1						71						114	
147	31+50.0	x		35.5	12	2	Inlet, J10	71		1.6	834.83	834.56	75	N/A	7.0	1						71						115	
148	33+30.0	x		35.5	12	2	Inlet, J10	71		1.6	835.74	835.47	75	N/A	7.0	1						71						116	
149	37+30.0	x		35.5	12	2	Inlet, J10	71		1.6	835.60	835.33	75	N/A	7.0	1						71						117	
150a	39+50.0	x		69.4	12	2	Inlet, E7	34		1.5	834.63	834.50	75	N/A	7.0	1						34						150	
150	39+50.0	x		35.5	12	2	Inlet, J10	71		1.6	834.50	834.23	75	N/A	7.0	1						71						118	
151	40+90.0	x		35.5	12	2	Inlet, J10	71		1.6	833.80	833.53	75	N/A	7.0	1						71						119	
152a	42+25.0	x		50.6	12	2	Inlet, E7	15		2.0	833.18	833.12		N/A	7.0	1						15						152	
152	42+25.0	x		35.5	12	2	Inlet, J10	71		1.5	833.12	832.85	75	N/A	7.0	1						71						120	
153a	44+10.0	x		52.4	12	2	Inlet, E7	17		1.9	832.26	832.19	75	N/A	7.0	1						17						153	
153	44+10.0	x		35.5	12	2	Inlet, J10	71		0.6	832.19	831.92		N/A		1						71						121	
133							.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				032.23	031.32			1								1					,	1



		TNIDTANIA	HORIZONTAL SCALE	
RECOMMENDED		INDIANA	N/A	
FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	D
DESIGN ENGINEER	DATE	DEPARTMENT OF TRANSPORTATION	N/A	
			SURVEY BOOK	
DESIGNED: TRI DRAWN:	HSW	STRUCTURE DATA	SURVET BOOK	
		STRUCTURE DATA	-	33
CHECKED: CCR CHECKED:	CCR	TABLE	CONTRACT	
CHECKED: CCR CHECKED:	LCR	TADLL	R-44267	

STRUCTURE DATA TABLE																														
STRUCTURE NUMBER			LOCATION		۱ .	SIZE	E TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER		WLINE	SERVICE LIFE	DESIGNATION	H.	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE BACKFILL TYPE 5	REVETMENT	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO NSPECTION FOR PIPES	PIPE END SECTION, CONCRETE		GRATED BOX END SECTION)	SAFETY METAL END SECTION	ECT TO STR. NO.	REMARKS
STR	STATION	LEFT	RIGHT	CROSS	ET OFFS	IN	PIPE	STRUCTURE	LFT	,	FT	UP STREAM ELEV.	DOWN STREAM ELEV.	YR.	SITE DE		BACKFI	CAR	TON	TON	TON		LFT	EACH	TVDE	SLOPE	FACU	SLOPE EACH	CONNE	
					FI	IN			LFI		FI	ELEV.	ELEV.	TK.				CTS	TUN	ION	ION	313	LFI	EACH	TYPE	SLOPE	EACH	SLUPE EACH		
154a	46+00.0	х			50.6	12	2	Inlet, E7	15		2.0	831.30	831.24	75	N/A	7.0	1						15						154	
154	46+00.0	х			35.5	12	2	Inlet, J10	71		0.6	831.24	830.97	75	N/A	7.0	1						71						122	
155a	47+50.0	х			57.8	12	2	Inlet, E7	22		1.9	830.58	830.49	75	N/A	7.0	1						22						155	
155	47+50.0	х			35.5	12	2	Inlet, J10	71		1.6	830.49	830.22	75	N/A	7.0	1						71						123	
156	49+35.0	х			35.5	12	2	Inlet, J10	71		1.6	829.57	829.30	75	N/A	7.0	1						71						124	
157	51+25.0	х			35.5	12	2	Inlet, J10	71		1.6	828.62	828.35	75	N/A	7.0	1						71						125	
158	53+10.0	x			35.5	12	2	Inlet, J10	71		1.6	827.69	827.42	75	N/A	7.0	1						71						126	
159	55+00.0	х			35.2	12	2	Inlet, J10	71		1.6	826.74	826.47	75	N/A	7.0	1						71						127	
160	55+75.0	x			34.2	12	2	Inlet, J10	69		1.6	826.41	826.14	75	N/A	7.0	1						69						128	
161	56+25.0	x			33.6	12	2	Inlet, J10	68		1.6	826.35	826.08	75	N/A	7.0	1						68						129	
162	56+75.0	x			32.9	12	2	Inlet, J10	67		1.6	826.42	826.15	75	N/A	7.0	1						67						130	
163	58+00.0	x			31.3	12	2	Inlet, J10	63		1.6	827.02	826.75	75	N/A	7.0	1						63						131	
164	59+25.0	х			29.8	12	2	Inlet, J10	60		1.6	827.66	827.39	75	N/A	7.0	1						60						132	
Detention																														
Line "PR-A"																														
200	10+83.8		x		61.6			Manhole, K4																						
P200	11+35.8		x		71.0	42	1	42" RCP	103																					
201	12+42.5		x		82.7	12	1	12" RCP	33																					
202	22+63.0		x		103.8	18	1	18" RCP	118																					
203	22+63.0		x		139.0	36	1	36" RCP	118																					
204	43+35.5		x		79.2	18	1	18" RCP	38																					
205	49+05.4		x		126.5	12	1	12" RCP	51																					
P206	55+40.0		x		79.4	6	1	6" PVC	8																					
206	55+45.0		x		79.6			Inlet, F7																						
206	55+85.9		х		80.2	12	1	12" RCP	79																					



	TNIDTANIA	HORIZONTAL SCALE	BRID)GE
RECOMMENDED	INDIANA	N/A		-
FOR APPROVAL	DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIG	GN
DESIGN ENGINEER DATE	DEPARTMENT OF TRANSPORTATION	N/A	21	101
		SURVEY BOOK	SH	HEE
DESIGNED: TBL DRAWN: HSW	STRUCTURE DATA	-	34	of
CHECKED: CCR CHECKED: CCR	TABLE	CONTRACT	PRI	OJE
CHECKED: CCR CHECKED: CCR	IADLL	R-44267	21	101

B64

PROJECT	DESIGNATION
	2101733
CONTRACT	BRIDGE FILE
EN-359	N/A

THE CITY OF

NOBLESVILLE 267, 1823

CITY OF NOBLESVILLE BOARD OF PUBLIC WORKS & SAFETY

Member

City Engineer

Begin Construction Sta. 02+00.00 Line "PR-C-1"

Begin Project Sta. 01+70.93 Line "PR-B-1

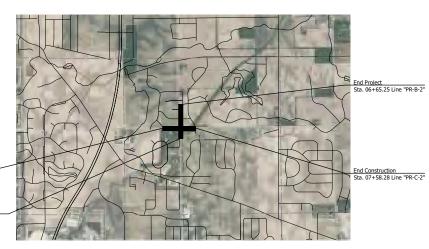
CITY OF NOBLESVILLE, INDIANA BOARD OF PUBLIC WORKS & SAFETY

ROAD PLANS

INTERSECTION IMPROVEMENT OLIO RD. & 156TH ST. WAYNE TOWNSHIP, HAMILTON COUNTY, INDIANA

PROJECT DESCRIPTION:

INTERSECTION IMPROVEMENT AT OLIO ROAD AND EAST 156TH ROAD FROM SAND CREEK BRIDGE TO 156TH STREET IN SECTION 11, 12, 13 & 14 T-18-N, R-5-E, WAYNE TOWNSHIP, HAMILTON COUNTY, INDIANA



TRAFFIC DATA Olio Road DESIGN DATA



ATITUDE: 40°06'22"	LONGITUDE: 85°55'37"	
BRIDGE LENGTH:	0.013	_ MI.
OADWAY LENGTH:	0.195	MI.
TOTAL LENGTH:	0.208	_ MI.
MAX. GRADE:	1.47	_ %

HUC: 051202010903

NOBLESVILLE CITY STANDARDS DATED 03/14/2012 & INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS

	l br	UDGL I	ILL
		N/A	
	DE	SIGNAT	ION
		210173	3
SURVEY BOOK		SHEET	
ELECTRONIC BOOK	1	of	45
CONTRACT		PROJEC	T
EN-359			



lack Martin

John Elmer Laurie Dyer Rick Taylor

Evelyn Lees

Alison Krupsk

				DK.
PLANS PREPARED BY:	Lochmueller Group, Inc	(317) 222-3880		
PREPARED DI.	Localitaciles Group, Inc.	PHONE NUMBER		DES
	"Top sting more, a sort on consponents A beauty (1) consistent			2
CERTIFIED BY:		DATE	SURVEY BOOK	
APPROVED		DATE	ELECTRONIC BOOK	1
FOR LETTING:			CONTRACT	F
	INDIANA DEPARTMENT OF TRANSPO	RTATION DATE	EN-359	

Dess. No. 2101733 B65 Appendix B: Graphics

UTILITIES

COMMUNICATIONS

ELECTRIC

AT&T (Distribution) AT&T (Distribution) Brad Bailey 5870 N College Ave Indianapolis, IN 46220 bb3525@att.com Phone: 317-459-4769 Duke Energy Don McDuffy 100 S Mill Creed Rd Noblesville, IN 46062 dei-dline@duke-energy.com Phone: 317-776-5320

Windstream Scott Builta 5020 Smythe Dr. Evansville, IN 47715 donald.builta@windstream.com Phone: 217-876-7194 ext. 240

Duke Transmission Zach Boston 1000 E Main St. Plainfield, IN 46168 dei-tline-coord@duke-energy.com Phone: 317-838-1053

SEWER

City of Noblesville Kirk Staley 197 W. Washington St. Noblesville, IN 46060 kstaley@noblesville.in.us Phone: 317-776-6353

Know what's below.
Call before you dig.

GENERAL NOTES

All earth shoulders, median areas and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.

All HMA shoulders shall have corrugations installed per INDOT standard drawings

INDEX SHEET NO. DRAWINGS INDEX TITLE SHEET

INDEX AND GENERAL NOTES 3 - 4 TYPICAL CROSS SECTIONS 5 MAINTENANCE OF TRAFFIC

PLAN & PROFILE 11 - 19 ROUNDABOUT GEOMETRICS

20 - 21 PAVEMENT MARKING AND SIGNAGE 22 LANDSCAPE PLANS

Removed for brevity

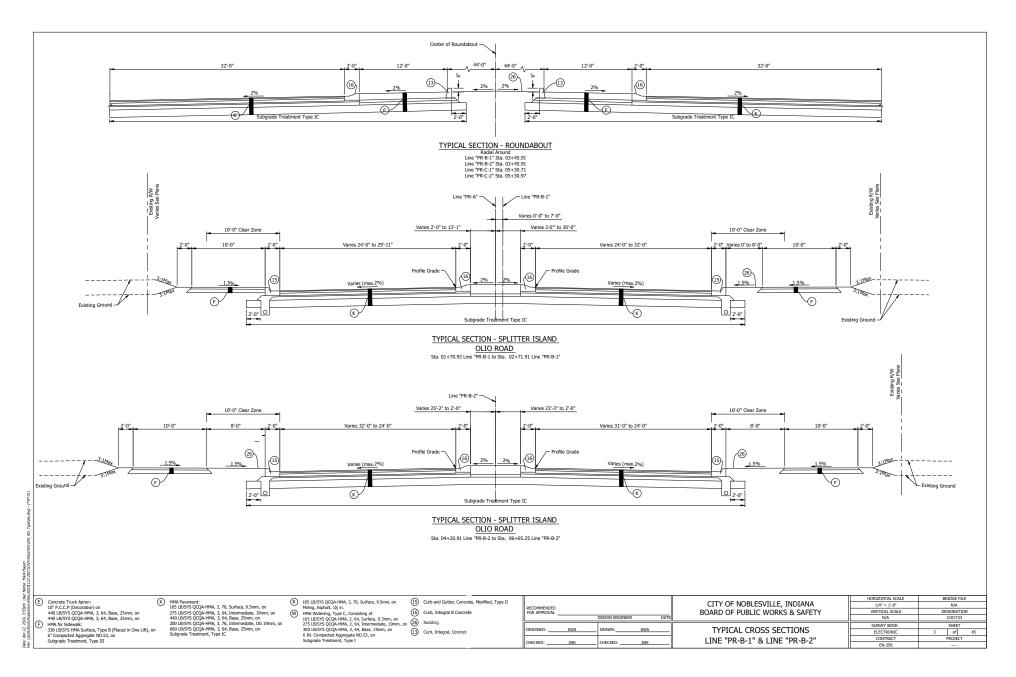
23 - 25 STRUCTURE DATA TABLE 26 - 45 CROSS SECTIONS

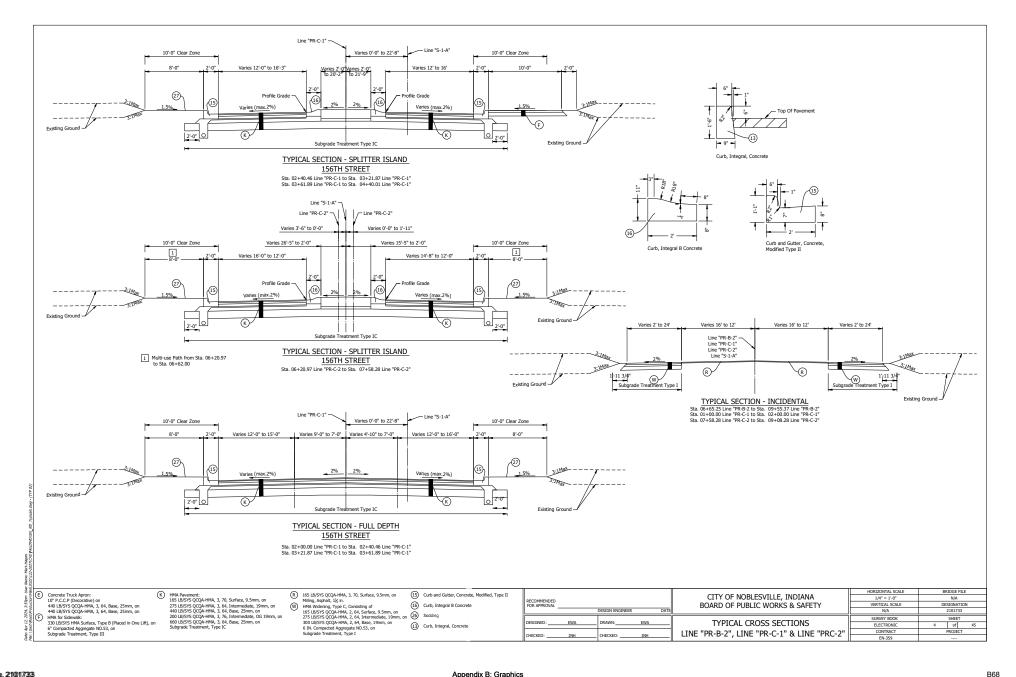
REVISIONS						
SHEET NO. DATE REVISED						

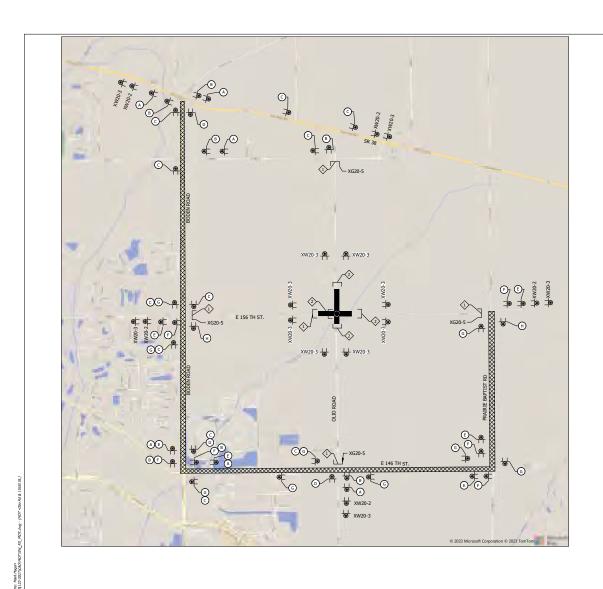
TRAFFIC DATA, 1	.56th Street
A.A.D.T. (2025)	1200 V.P.D.
A.A.D.T. (2045)	1530 V.P.D.
D.H.V. (2045)	153 V.P.H.
DIRECTIONAL DISTRIBUTION	50 % EB
TRUCKS	8.9 % A.A.D.T.

DESIGN DATA DESIGN SPEED PROJECT DESIGN CRITERIA FUNCTIONAL CLASSIFICATION RURAL/JURBAN TERRAIN ACCESS CONTROL 45 M.P.H. RECONSTRUCTION(NON-FREEWAY) LOCAL AGENCY COLLECTOR URBAN (SUBURBAN)

					HORIZONTAL SCALE	SCALE BRIDGE FILE		ILE
	RECOMMENDED			CITY OF NOBLESVILLE, INDIANA	N/A		N/A	
	FOR APPROVAL			BOARD OF PUBLIC WORKS & SAFETY	VERTICAL SCALE	DE	SIGNATI	ION
	DESIGN ENGINE		DATE		N/A	2101733		
		T			SURVEY BOOK		SHEET	
	DESIGNED: EWA	DRAWN:	EWA	INDEX AND GENERAL NOTES	ELECTRONIC	2	of	45
		JNH CHECKED: JNH	INDEX AND GENERAL NOTES	CONTRACT	PROJECT		Г	
	CHECKED: JNH			EN-359				









Detour Route Marker Assemblies 50 Req'd. Road Closure Sign Assemblies 9 Req'd. Type III-A Barricades 120 LFT Type III-B Barricades 96 LFT

LEGEND:



AHEAD

XW20-2

CLOSED

XW20-3

ROAD CLOSED R11-2

ROAD CLOSED THRU TRAFFIC R11-4

OLIO RD CLOSED ON OR AFTER____ XG20-5

DETOUR XM4-10 (R or L)















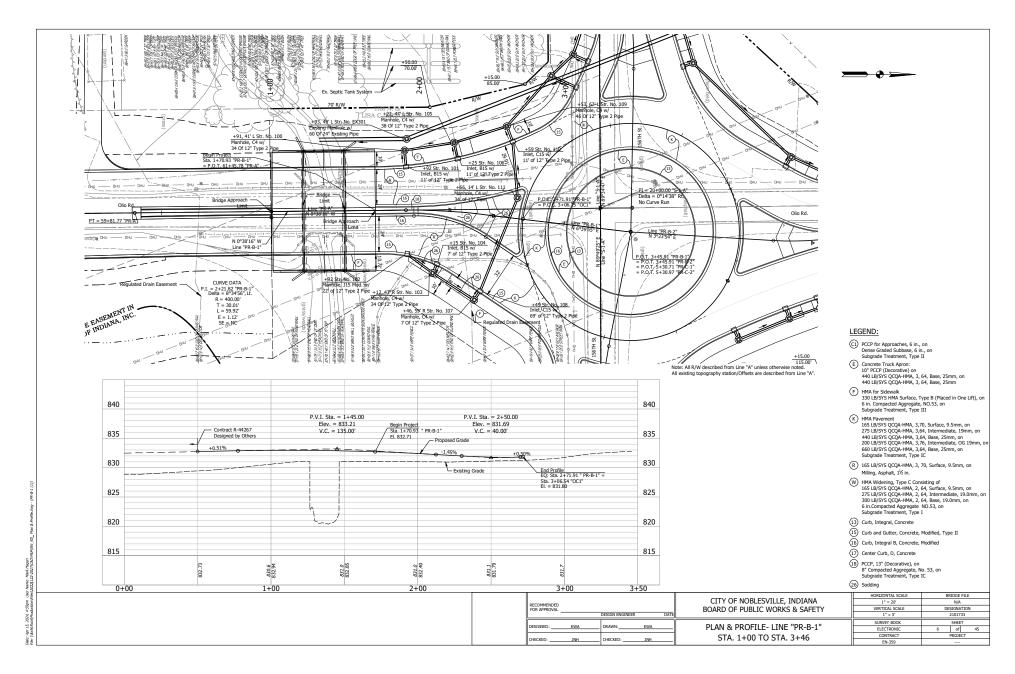
Road Closure Sign Assembly w/ Type III-B Barricade (24 LFT) And R11-4 And XM4-10 (L or R)

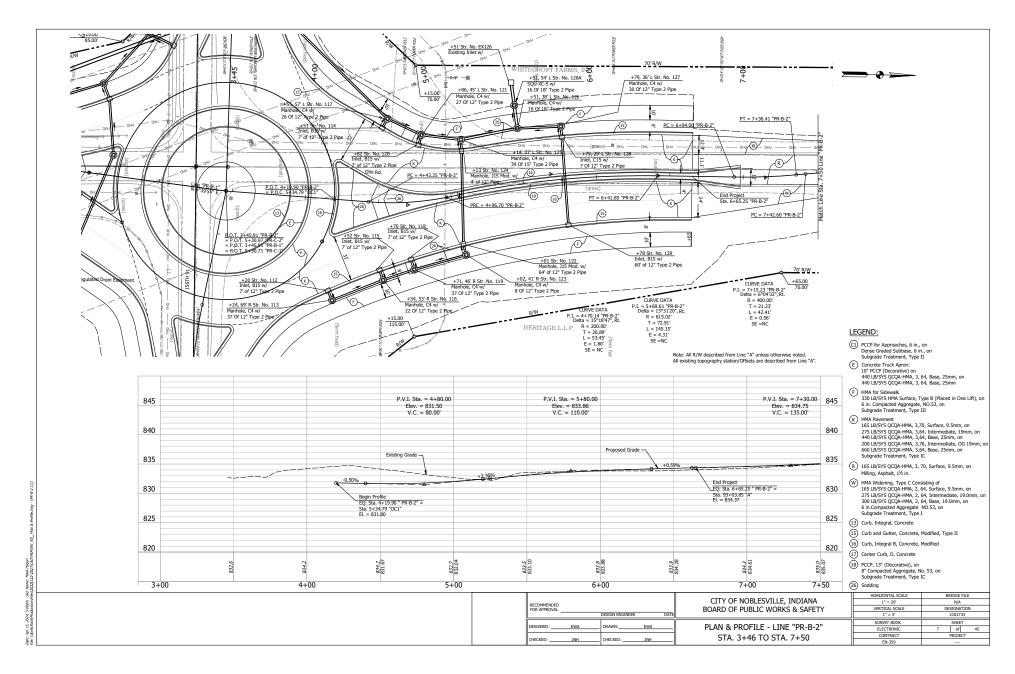
2 Road Closure Sign Assembly W/ Type III-A Barricade (24 LFT) And R11-2 Construction Zone

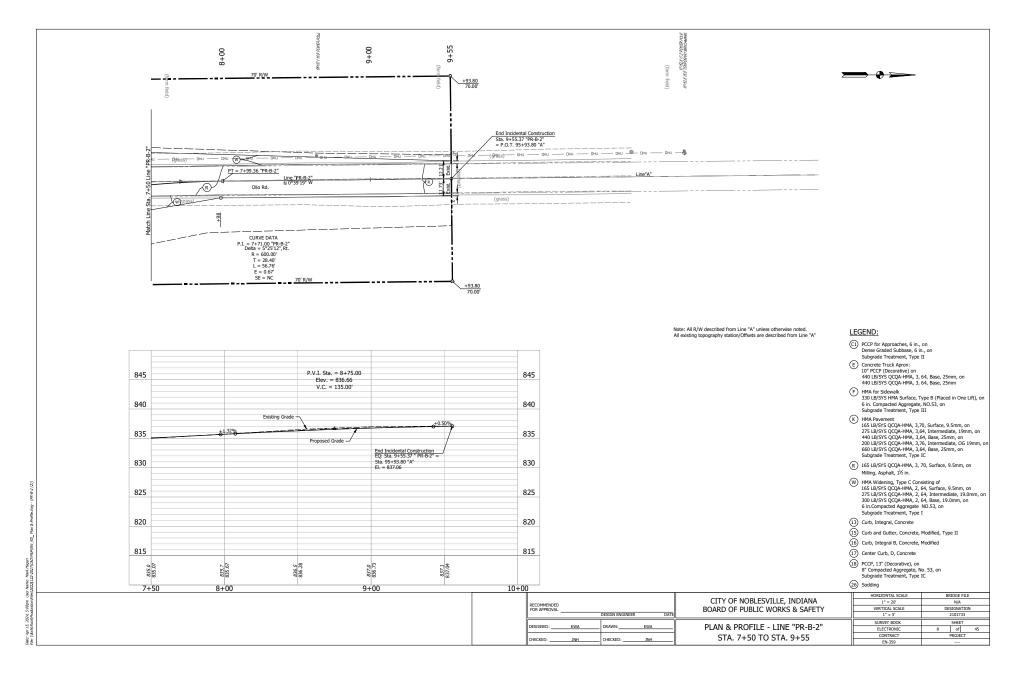
Detour Route GENERAL NOTES

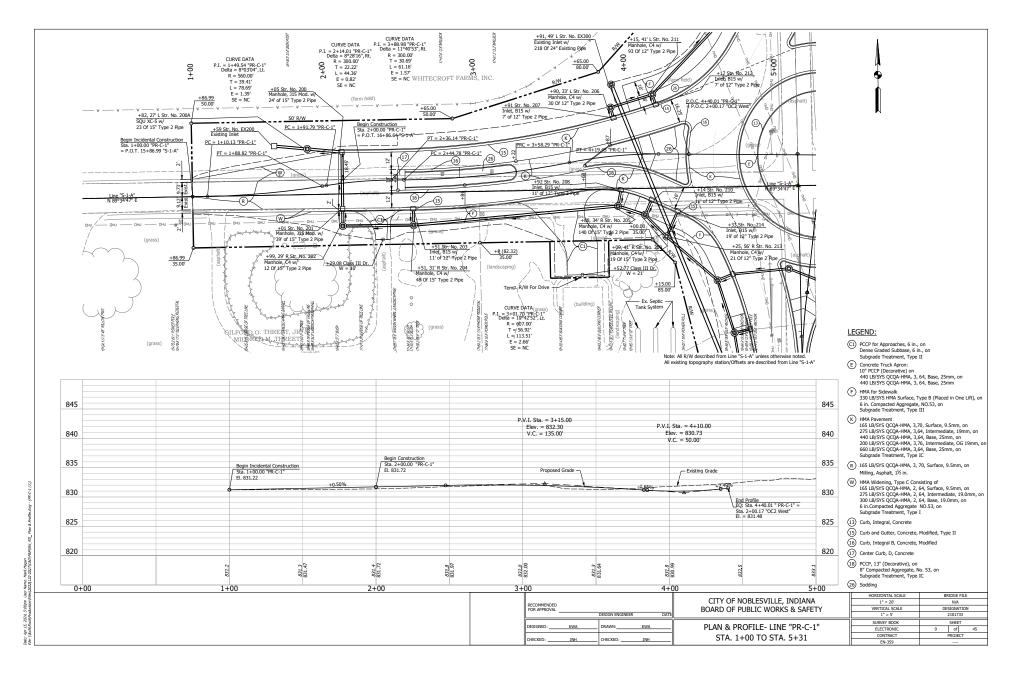
- 1. All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
- 2. See INDOT Std. Dwg. 801-TCDT-01 for sign spacing requirements and additional notes.
- 3. See INDOT Std. Dwg. 801-TCLG-01 for standard notes.
- 4. Type B construction warning lights shall be used with all signs located on road closure sign assemblies. Type A construction warning lights shall be used on all other construction signs.
- 5. Contractor shall maintain access to all commercial and private properties during construction.
- 6. XG20-5 signs shall be installed a minimum of 14 days prior to closing the road and removed when the road is closed to traffic.

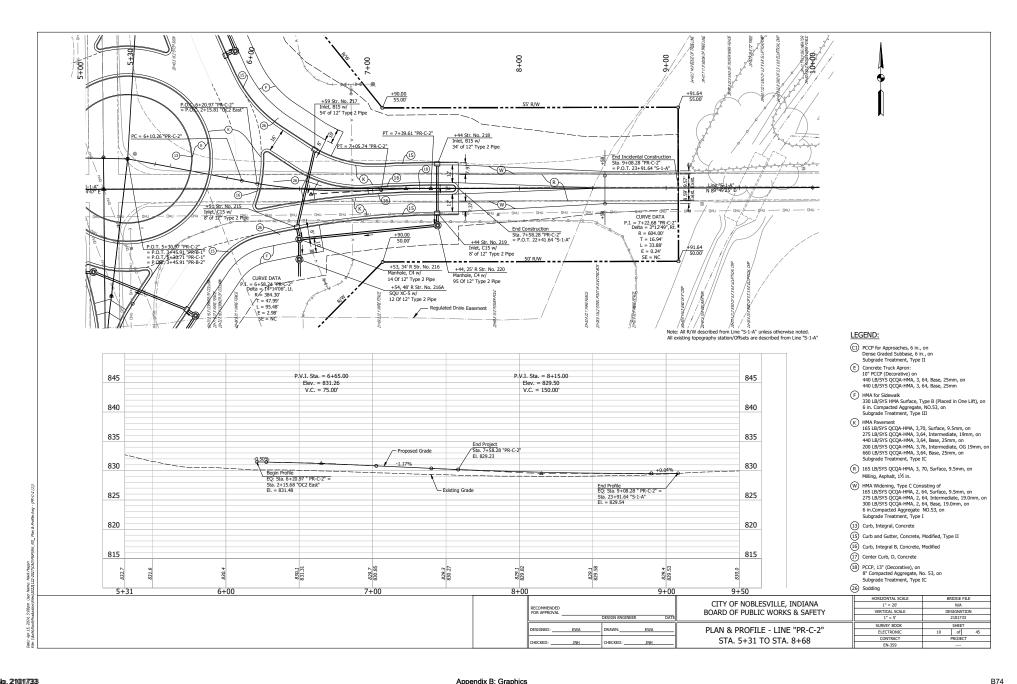
	OTT / OT 110 DI TOLT TAID TAIL	HORIZONTAL SCALE	BRIDGE FILE	
RECOMMENDED	CITY OF NOBLESVILLE, INDIANA	N/A	N/A	
FOR APPROVAL	BOARD OF PUBLIC WORKS & SAFETY	VERTICAL SCALE	DESIGNATION	
DESIGN ENGINEER DATE		N/A	2101733	
		SURVEY BOOK	SHEET	
DESIGNED: EWA DRAWN: EWA	MAINTENANCE OF TRAFFIC	ELECTRONIC	5 of 45	
	OLIO ROAD & 156TH ST DETOUR	CONTRACT	PROJECT	
HECKED: JINH CHECKED: JINH OLIO ROAD & 1361H ST DETOUR		EN-359	****	

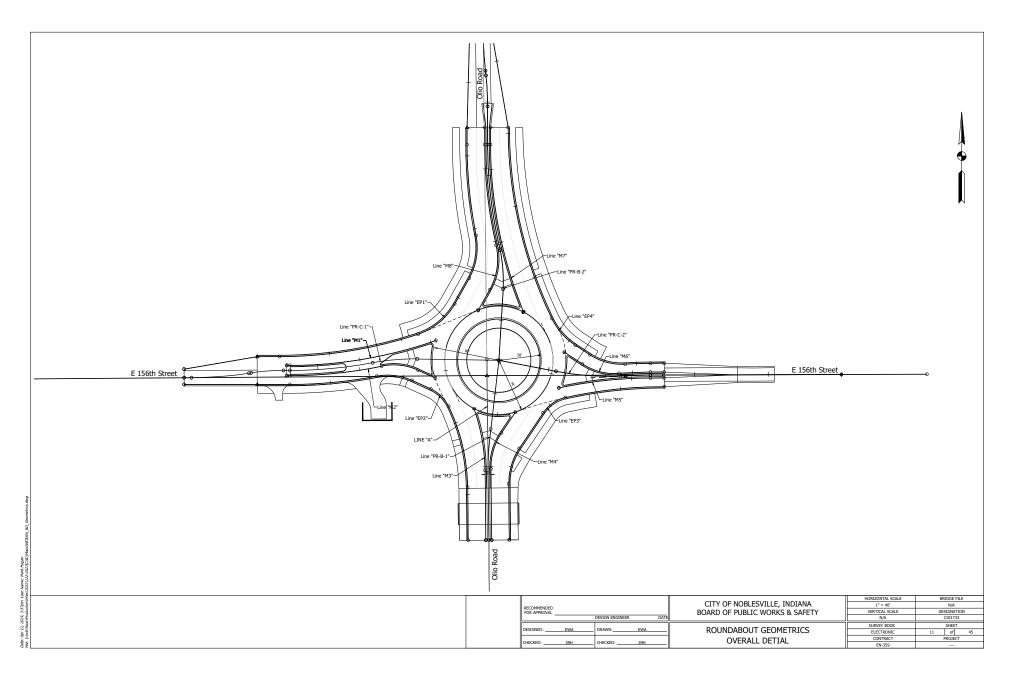


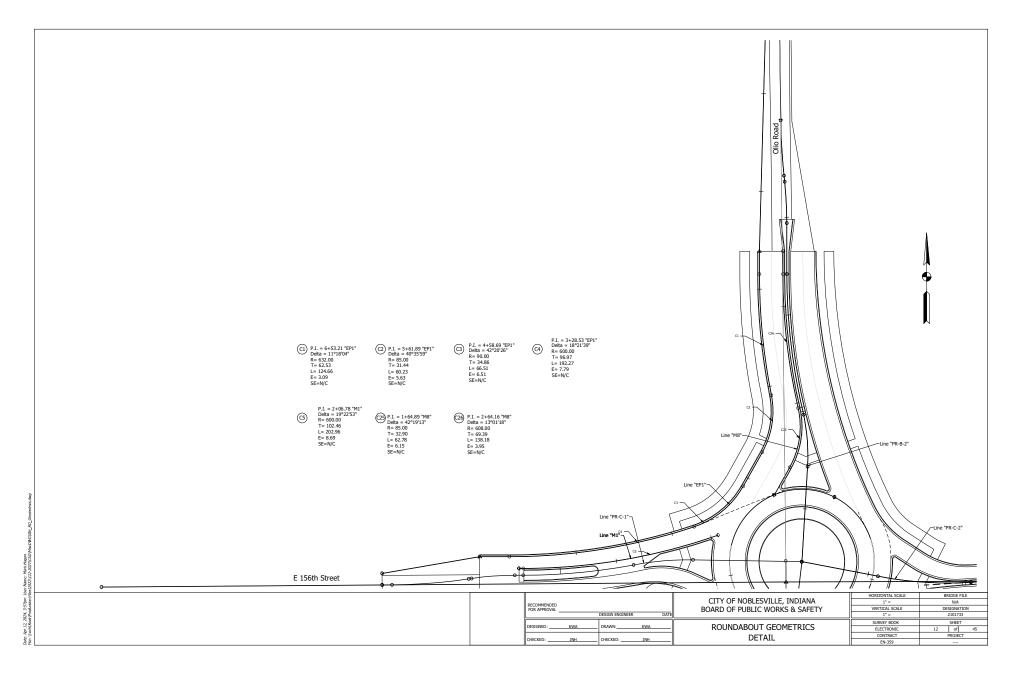


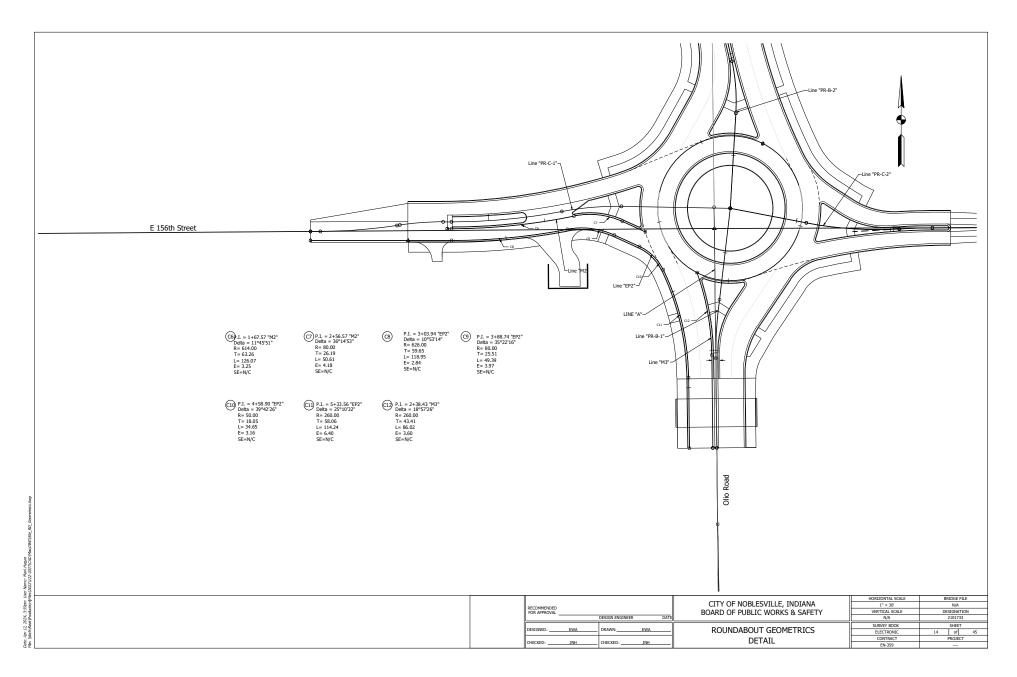


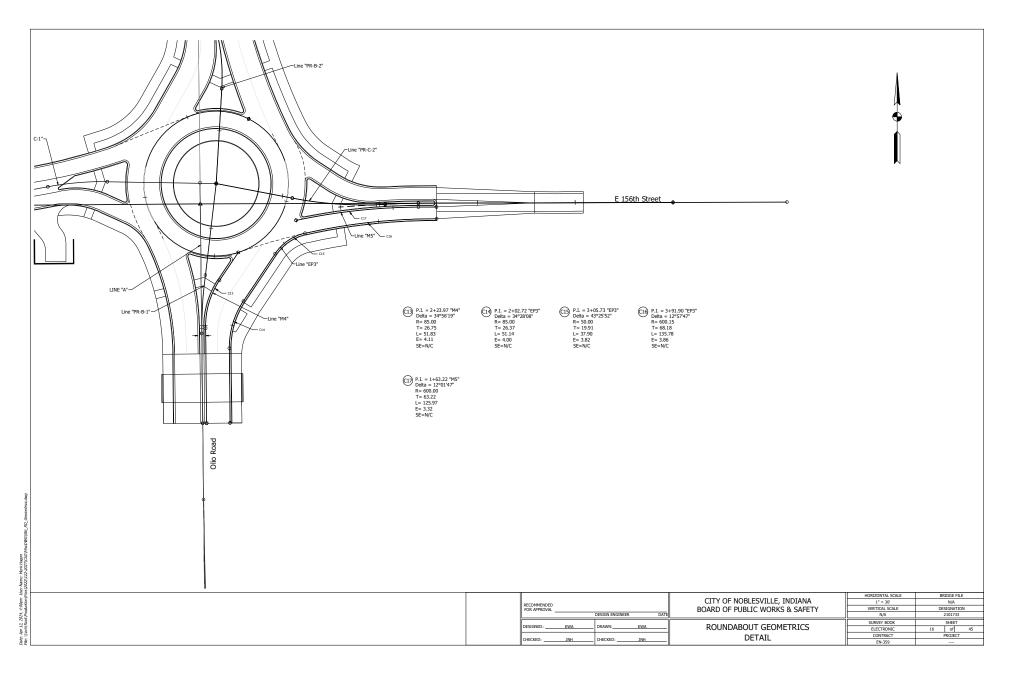


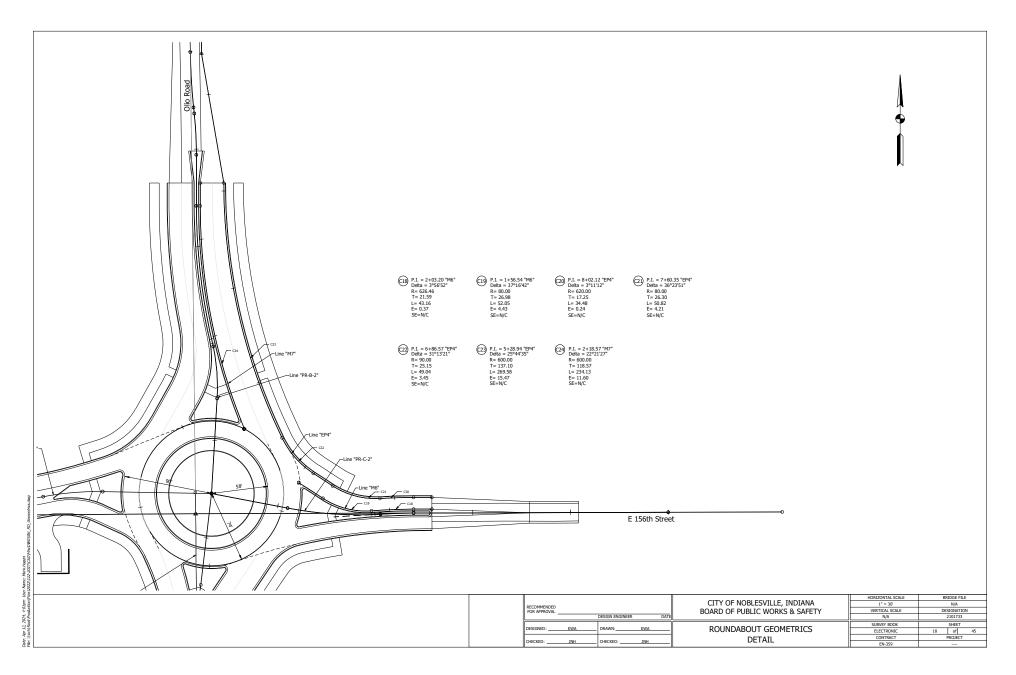


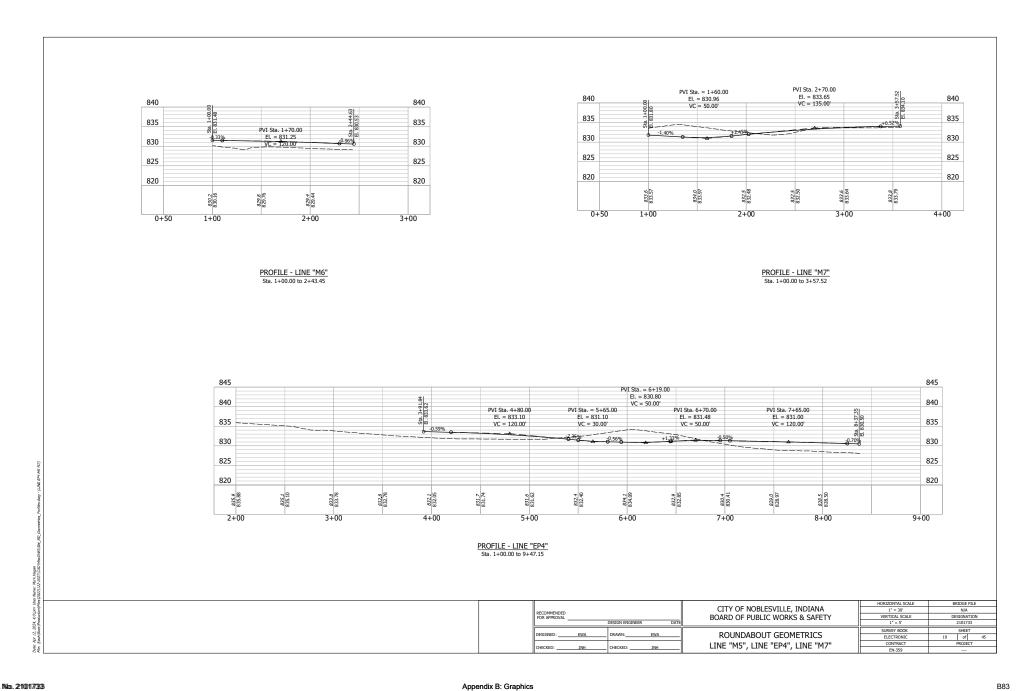


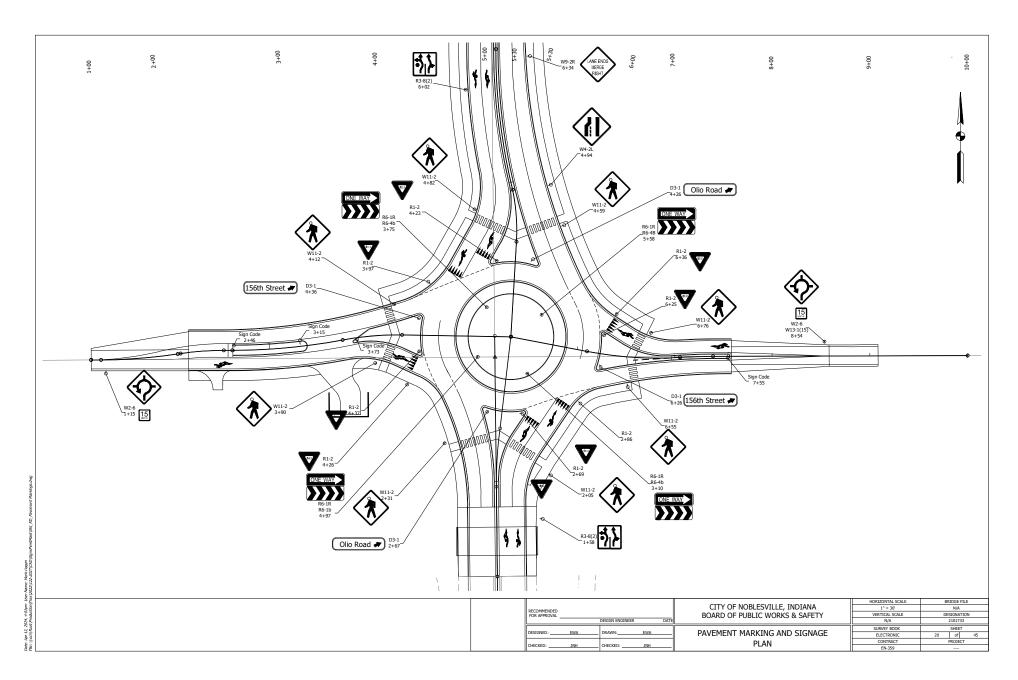


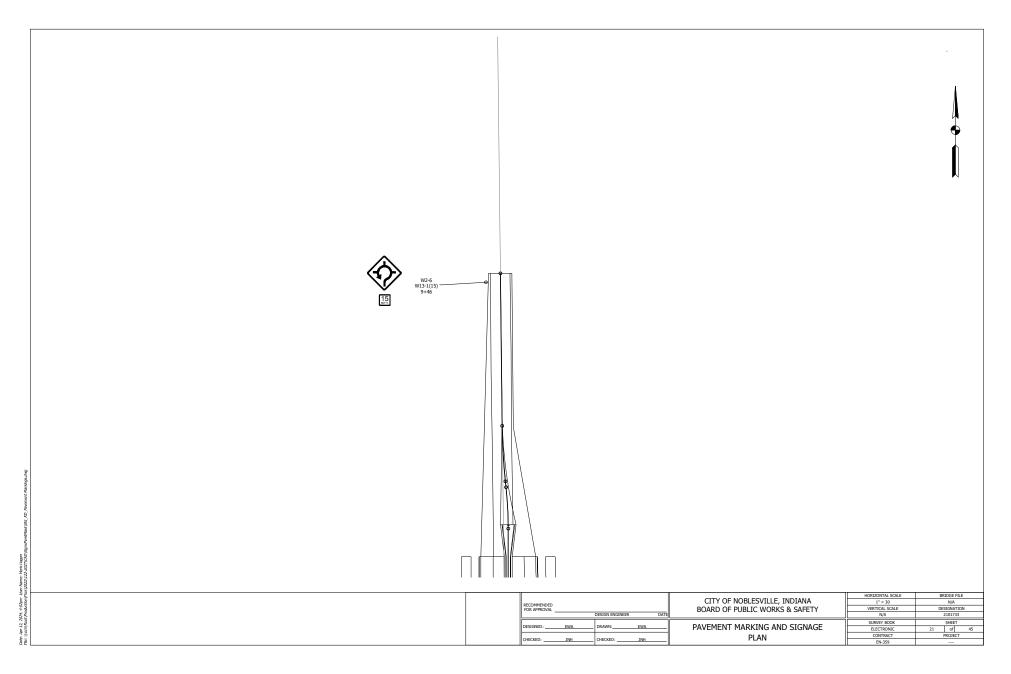


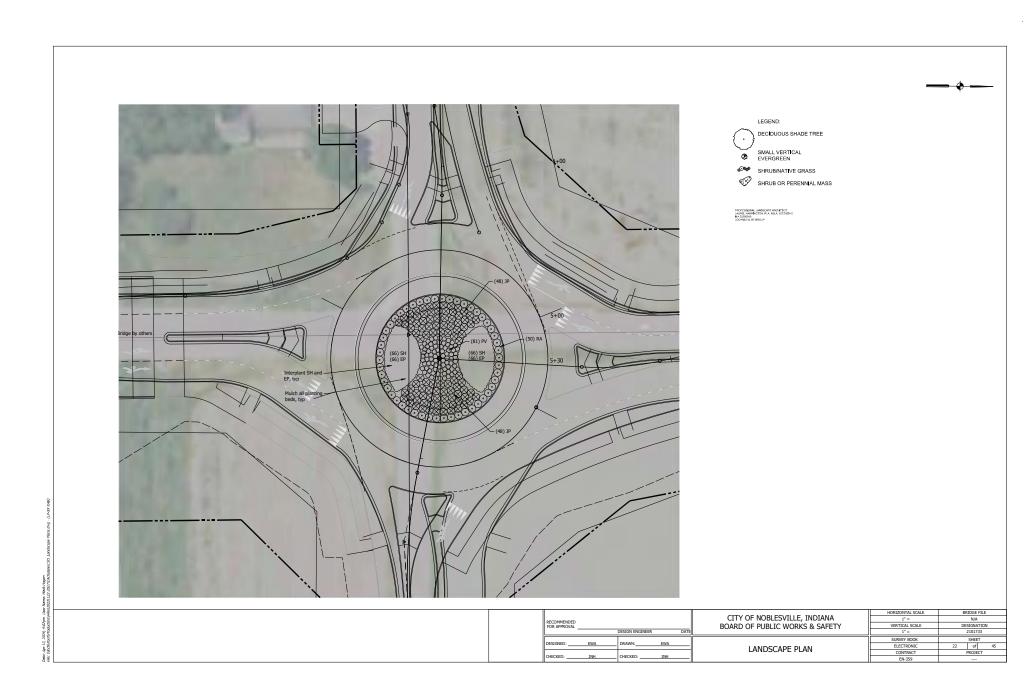












ı	PROJECT	DESIGNATION
	EN-359-026.2203	****
	CONTRACT	BRIDGE FILE
		29-00170

STRUCTURE INFORMATION						
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION		
29-00170	Continuous Reinforced Concrete Slab	1 Span: 26'-6" Skew: 00°00'00" Rt.	Sand Creek	1+35.93 "PR-B-1"		

NOBLESVILLE

267, 1823

CITY OF NOBLESVILLE BOARD OF PUBLIC WORKS & SAFETY

Member

Member

City Engineer

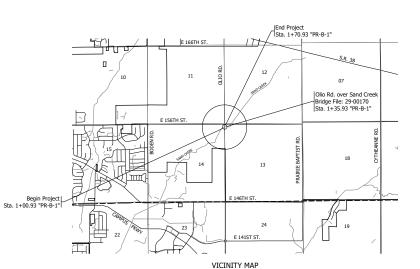
CITY OF NOBLESVILLE, INDIANA BOARD OF PUBLIC WORKS & SAFETY

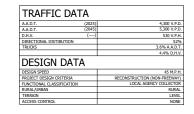
BRIDGE PLANS

FOR SPANS OVER 20 FEET HAMILTON COUNTY BRIDGE #170 OLIO RD. OVER SAND CREEK WAYNE TOWNSHIP, HAMILTON COUNTY, INDIANA

PB-##-###

Bridge Replacement on Olio Road Over Sand Creek Located 0.04 miles south of 156th St. Sections 14 & 13, T18N, R5E, Wayne Township, Hamilton County







LATITUDE: 40°00'57"N	LONGITUDE: 85°55'09"W	
BRIDGE LENGTH: _ ROADWAY LENGTH: _ TOTAL LENGTH: _	0.195 0.208	MI. MI.
MAX. GRADE: _		. %

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 TO BE USED WITH THESE PLANS

	BR:	IDGE F	ILE
	2	9-0017	0
	DESIGNATION		
SURVEY BOOK	SHEET		
ELECTRONIC	1	of	8
CONTRACT	F	ROJEC	T
	EN-3	59-026	.2203

PLANS PREPARED BY: LOCHMUELLER GROUP, INC. (317) 222-3880 PHONE NUMBER CERTIFIED BY:

LOCHMUELLER

lack Martin

John Elmer

Laurie Dyer

Rick Taylor

Evelyn Lees

Alison Krupsk

Dess. No. 2101733

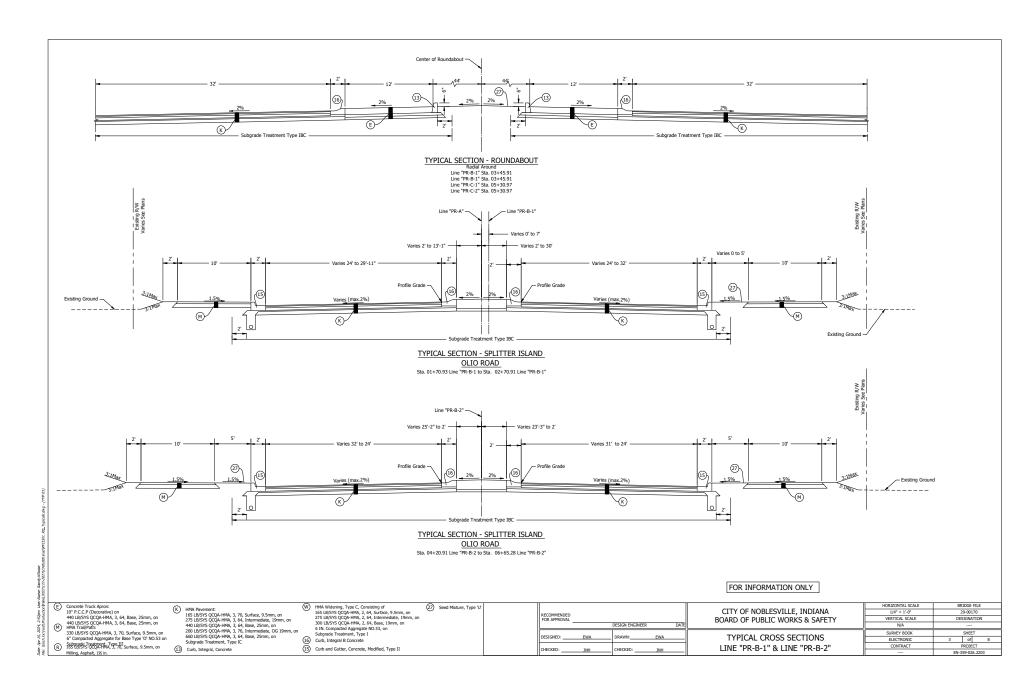
Appendix B: Graphics

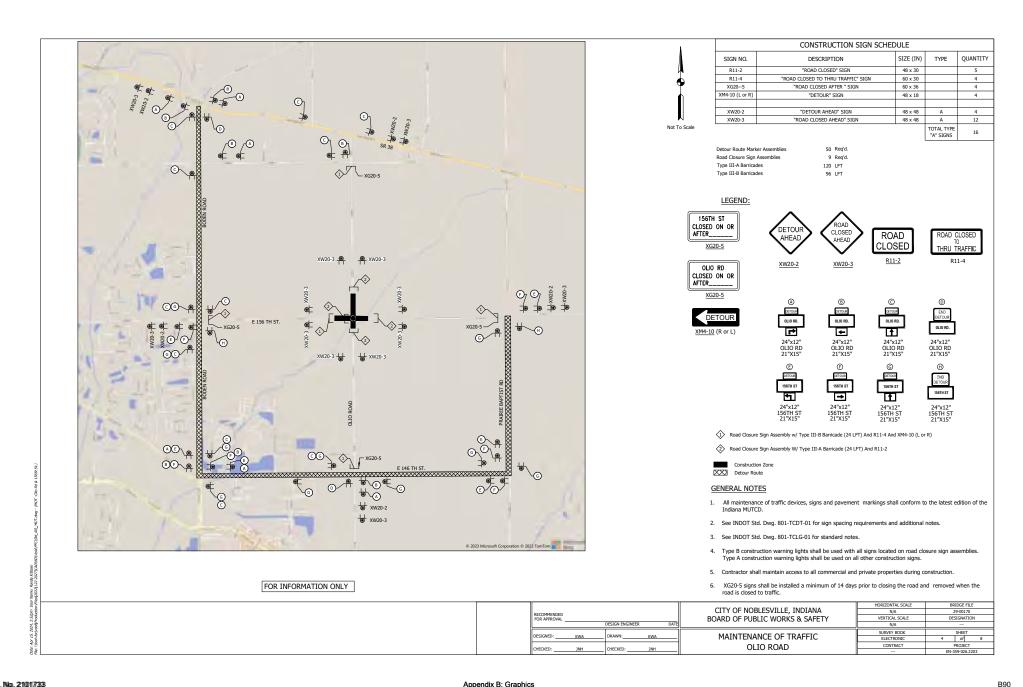
UTILITIES COMMUNICATIONS: AT&T Distribution Brad Bailey 5870 N. Collage Ave. Indianapolis, IN 46220 bb3525@att.com (317) 459-4769 Windstream Scott Builta 5020 Smythe Dr. Evansville, IN 47715 donald.builta@windstream.com (217) 876-7194 ext. 240 ELECTRIC: Duke Energy Don McDuffy 100 S. Mill Creek Road Noblesville, IN 46062 dei-dline-coord@duke-energy.com (317) 776-5320 Duke Transmission Zach Boston 1000 E. Main St. Plainfield, IN 46168 dei-tline-coord@duke-energy.com (317) 838-1053

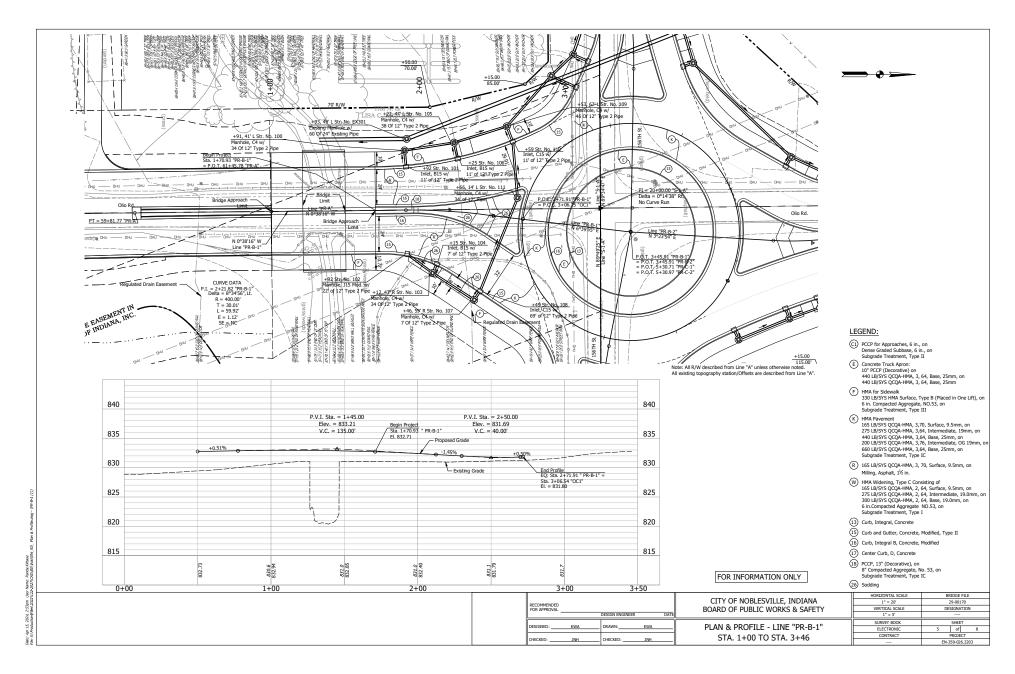
INDEX				
SHEET NO.	SUBJECT			
1	TITLE			
2	INDEX AND GENERAL NOTES			
3	TYPICAL CROSS SECTIONS			
4	MAINTENANCE OF TRAFFIC			
#	PLAN AND PROFILE			
6	LAYOUT			
7 - 8	GENERAL PLAN			

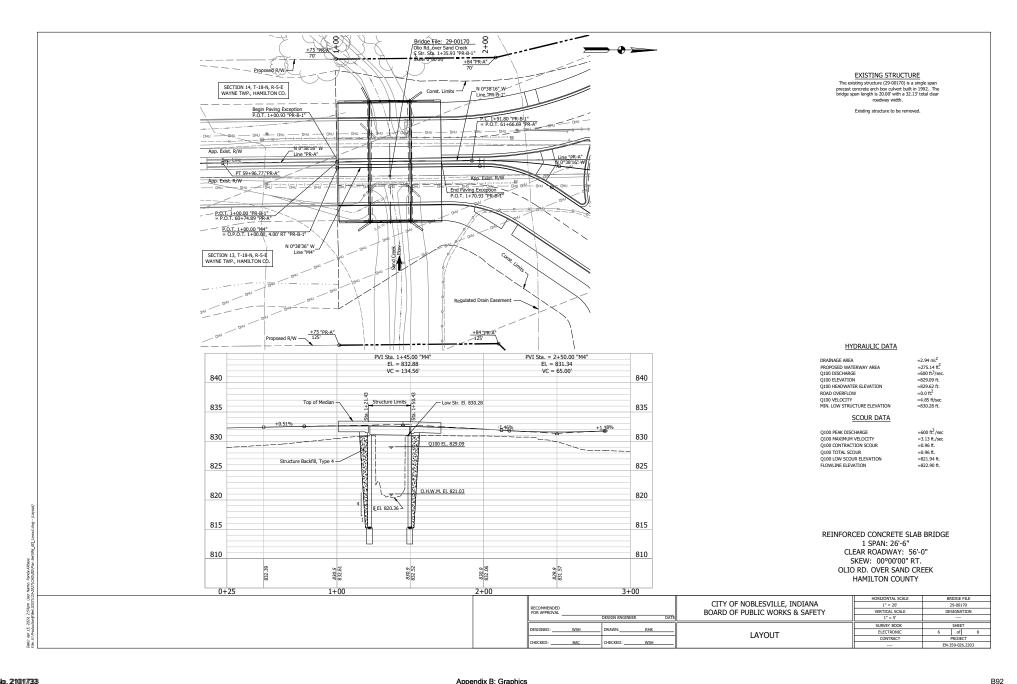
REVISIONS					
SHEET NO.	SHEET NO. DATE REVISED				

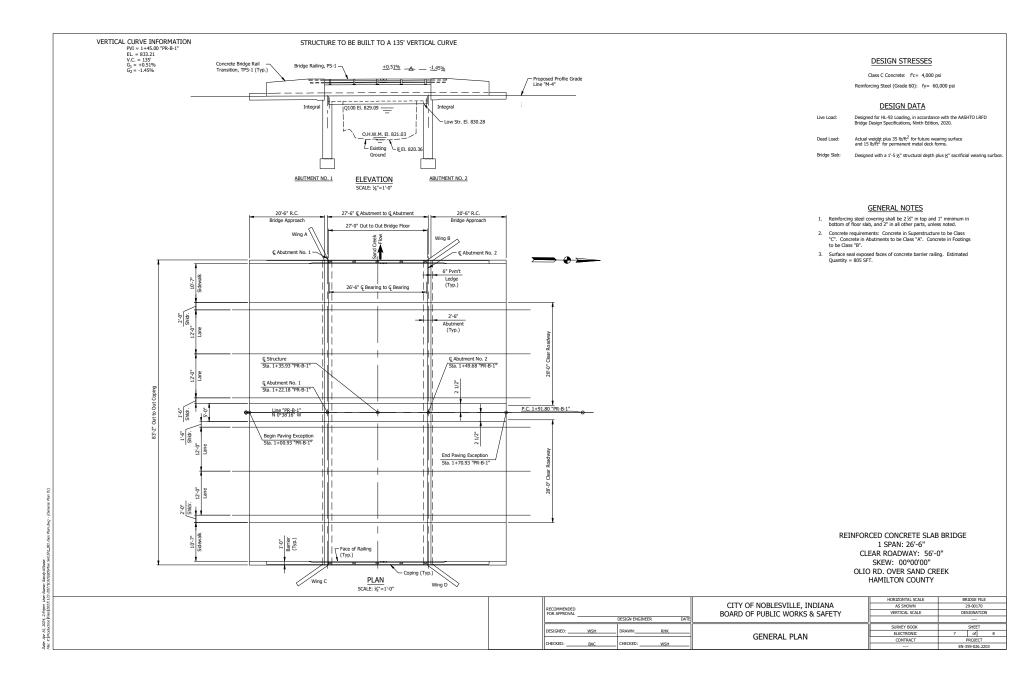
			CITY OF NORLECVILLE INDIANA	HORIZONTAL SCALE	BRIDGE FILE	
	RECOMMENDED FOR APPROVAL		CITY OF NOBLESVILLE, INDIANA BOARD OF PUBLIC WORKS & SAFETY	NONE	29-00170	
				VERTICAL SCALE	DESIGNATION	
		DESIGN ENGINEER DATE	BOTHER OF TORLIC WORLD & STREET	NONE		
li li	DESIGNED: WSH			SURVEY BOOK	SHEET	
		DRAWN: RHK	INDEX	ELECTRONIC	2 of 8	
		BAC CHECKED: BAC	INDEX	CONTRACT	PROJECT	
	CHECKED: BAC				EN-359-026.2203	

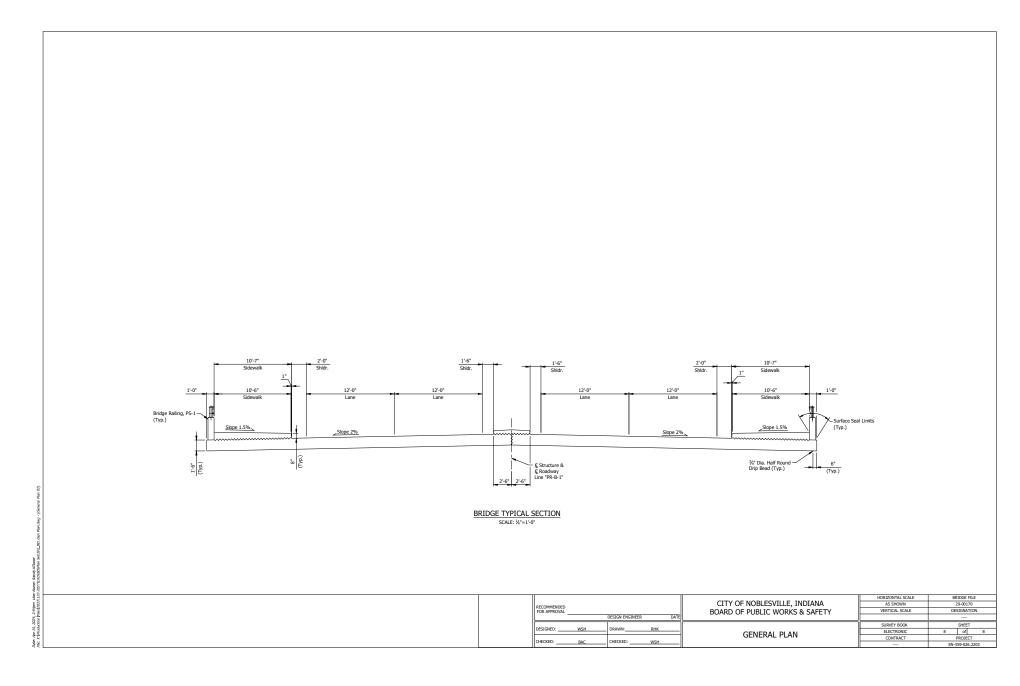


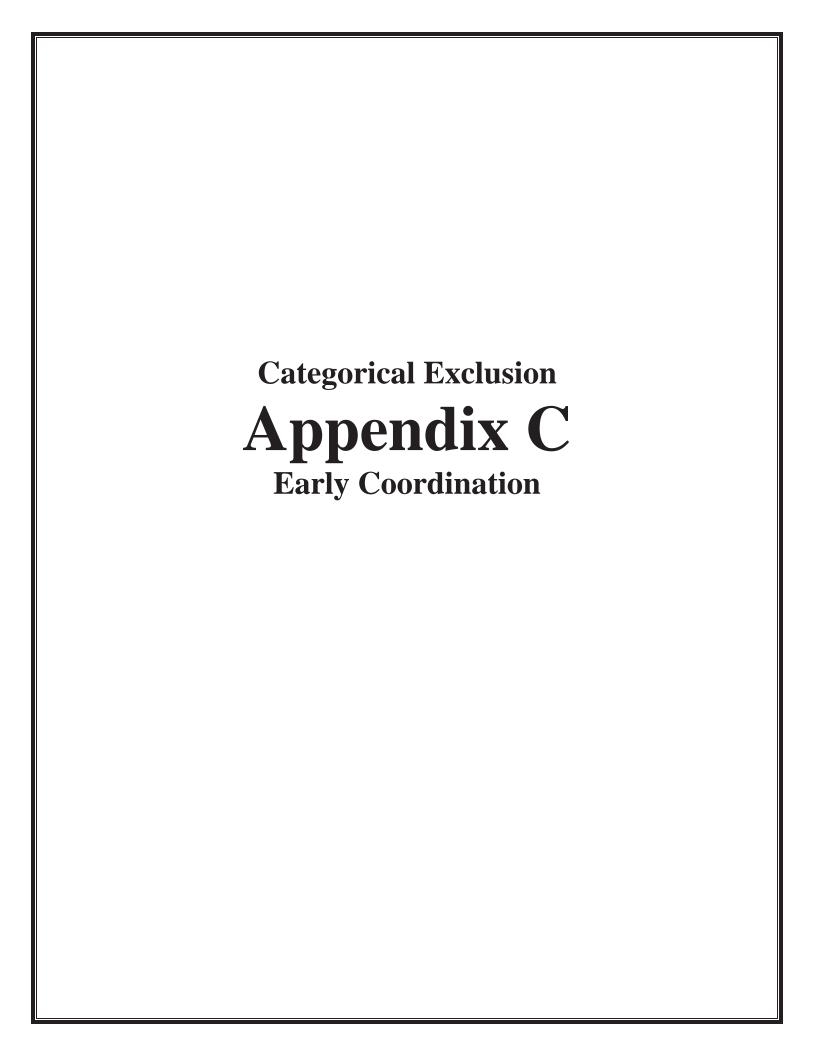














Sample Early Coordination Letter

February 6, 2023

Re: Des. No.: 2101733

Added Travel Lanes

Local Project

Olio Road, 146th Street to 156th Street

City of Noblesville, Hamilton County, Indiana

To whom it may concern:

The City of Noblesville, with funding from the Federal Highway Administration (FHWA) and administrative oversight from the Indiana Department of Transportation (INDOT) – Greenfield District, proposes to proceed with the aforementioned added travel lanes project along Olio Road (Des. No. 2101733).

This letter is part of the early coordination phase of the environmental review. At this time, we are requesting comments from your area of expertise regarding any possible environmental effects (social and natural) associated with this project. **Please use the above Des. No. and project description in your reply.** Your comments will be incorporated into the formal environmental study. Your cooperation in this endeavor is appreciated.

Project Location and Existing Conditions

The proposed project is located in the City of Noblesville along Olio Road from 146th Street to 156th Street in Hamilton County, Indiana. Specifically, the project is located in Sections 11, 12, 13, and 14, Township 18 North, Range 5 East; in Wayne Township as depicted on the Riverwood Quadrangle U. S. Geological Survey 1:24,000 scale quadrangle. Adjacent land use consists of residential and agricultural areas. Please see attachments for maps and photographs of the proposed project area.

Olio Road is functionally classified as a major collector. The typical cross-section of Olio Road is two 10-foot wide through travel lanes (one in each direction) and 0 to 2-foot wide aggregate shoulders. The existing speed limit along Olio Road is 55 miles per hour.

Bridge #29-00170 carries Olio Road over Sand Creek. The concrete bridge was built in 1992 and is not considered historic. The INDOT Bridge Inspection Report dated September 16, 2021, identified hairline cracks on the midspan and headwall. The structure is 22 feet long with a deck width of 32.1 feet. The typical section on the bridge consists of two 11-foot travel lanes (one in each direction).

Bridge #29-00277 consists of dual culverts that carry Sand Creek under 156th Street. The steel culverts are 10 feet wide and 21 feet long. The INDOT Bridge Inspection Report dated September 22, 2021 identified significant deflection at the midspan of both culverts and rust at the flowline.

3502 Woodview Trace, Suite 150 Indianapolis, Indiana 46268 PHONE: 317.222.3878 • TOLL FREE: 800.423.7422

Purpose and Need

The need for the project stems from inadequate capacity for the projected vehicular demand along Olio Road between 146th and 156th Street. According to the City of Noblesville Road Impact Fee, Zone Improvement Plan developed in December 2020, this segment of Olio Road will experience capacity issues within the next 10 years. Capacity of a roadway is commonly reported as a level of service (LOS) from A to F, with LOS A being the best performing (free flow with >92% minimum speed of 45 mph) and LOS F being the worst performing (breakdown flow with 1.0-67% minimum speed of 35 mph). The City of Noblesville has established a minimum acceptable LOS of D for intersections and E for roadway segments. This portion of Olio Road is currently operating at an LOS B in the AM and PM peak hour. Development of the area is anticipated to decrease the LOS from a B to an F in the next 10 years.

A secondary need is due to the insufficient geometric design for a major collector roadway. Presently, Olio Road between 146th Street and 156th Street, which is partially within the urban area boundary of Noblesville, consists of two 10-foot-wide travel lanes with 0 to 2-foot-wide aggregate shoulders. Additionally, the Indianapolis Metropolitan Planning Organization (IMPO) Traffic Count Map for this section of Olio Road estimated in 2019 an average annual daily traffic (AADT) volume of 5,253. Given these parameters, and per Figure 53-8 of the Indiana Design Manual, the desired geometric design for a collector is 12-foot-wide lanes (11-foot-wide minimum) with an 8-foot-wide paved shoulder or 2-foot-wide curb. This section of Olio Road fails to meet the minimum geometric design requirements for this classification of a roadway.

The purpose of the project is to address the inadequate capacity within the Olio Road corridor between 146th Street and 156th Street and obtain a minimum acceptable LOS of E during the design year of 2045. In addition, the purpose of the project is to bring this section of Olio Road up to current geometric design standards for a major collector roadway.

Proposed Project

It is proposed that Olio Road will be widened from a two-lane road into a four-lane boulevard. The road will consist of four (4) 12-foot lanes with a 20-foot raised grass median. The roadway will have curb and gutter and two (2) 10-foot multi-use paths on each side of the road. The design speed of the new road will be 45 mph to match the existing posted speed limit. The bridge over Sand Creek (Bridge #29-00170) will be replaced as part of the project as well. The proposed bridge will consist of four (4) 12-foot lanes with two (2) 2-foot shoulders and two (2) 10-foot multi-use paths, one (1) 4-foot median, two (2) 1-foot barrier rails, and two (2) 7-inch curbs. It is anticipated that the new bridge will have an out-to-out coping of 83 feet and 2 inches. In addition, construction of a roundabout is proposed at the intersection of 156th Street and Olio Road. Bridge #29-00277 will not be impacted as a part of this project.

The maintenance of traffic (MOT) is anticipated to involve a closure of Olio Road and a detour. The detour route will be determined as design progresses. Access will be maintained for property

C2

owners during construction of the project. The MOT will be implemented per the *Indiana Design Manual* guidelines.

Construction is anticipated to begin in Fiscal Year (FY) 2027.

Right-of-Way (ROW)

The ROW acquisition is anticipated to be approximately 27 acres of permanent ROW. Some tree clearing may be needed.

Environmental Resources

A Red Flag Investigation (RFI) was performed for a 0.5-mile radius around the project area. Several "Red Flags" were identified within the 0.5-mile search radius; however, not all will impact the proposed project. Primary concerns include the Noblesville Airport, several water resources, and a petroleum well.

Lochmueller Group conducted a field investigation of the project area on September 14, 2022. The field investigation identified two streams and several wetlands within the project area. A *Waters of the U.S. Determination Report* will be prepared for this project.

Cultural Resources

Coordination will occur with INDOT Cultural Resources Office (CRO) to evaluate the project area for archaeological and historic resources and for Section 106 compliance. This includes determining an area of potential effect (APE), assessing effects on potential historic resources, and making recommendations on eligibility determinations. The results of this investigation will be forwarded to the State Historic Preservation Officer (SHPO) for review and concurrence as appropriate.

Range-wide Informal Programmatic Consultation

Hamilton County is within the range of the federally endangered Indiana bat (*Myotis sodalis*) and the federally threatened northern long-eared bat (*Myotis septentrionalis*). The U.S. Fish and Wildlife Service (USFWS) Range-wide Programmatic Informal Consultation for the Indiana bat and northern long-eared bat (NLEB) will be completed for this project.

Early Coordination

The northern long-eared bat (*Myotis septentrionalis*) is federally endangered, not federally threatened.

This letter is part of the early coordination review process. You are asked to review this information and provide any comments you may have relative to anticipated impacts of the project on areas in which you have jurisdiction or special expertise. We will incorporate your comments into a study of the project's environmental impacts. To facilitate the development of this project, you are asked to reply within **30 calendar days** of receipt of this letter. If no response is received by that date, it will be assumed you have no comments at the present time. 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 project, please feel free to contact me at (317) 222-3880 or at sbeaupre@lochgroup.com. Additionally, should you want to contact the sponsor of this project, the City of Noblesville, please contact the Assistant City Engineer, Jim Hellmann, P.E.,, at 317-776-6330 or at JHellmann@noblesville.in.us.

Thank you in advance for your input.

nouther Beaupre

Sincerely,

Samantha Beaupre

Environmental Specialist

Lochmueller Group, Inc.

Attachments:

- General Location Map
- USGS Topographic Map
- Red Flag Investigation Maps
- Photo Location Maps
- Photographs

Removed to avoid duplication; see Appendices B & E

Distribution List:

- Natural Resources Conservation Service, Indianapolis Office
- U.S. Army Corps of Engineers, Louisville District Regulatory Branch
- U.S. Department of Housing and Urban Development, Chicago Regional Office
- U.S. Coast Guard, 8th District
- Federal Highway Administration Indiana Division
- National Park Service, Midwest Regional Office
- Indiana Department of Natural Resources, Division of Fish and Wildlife
- Indiana Department of Natural Resources, Oil and Gas Division
- INDOT, Office of Aviation
- INDOT, Environmental Services
- INDOT Greenfield District Office, Environmental Section Manager
- INDOT Greenfield District Office, Project Manager
- Indiana Geological & Water Survey
- Indianapolis Metropolitan Planning Organization
- Hamilton County Board of Commissioners
- Hamilton County Council

- Hamilton County Highway Department
- Wayne Township Trustee
- Hamilton County Surveyor's Office (MS4 Coordinator)
- Hamilton County Emergency Management Agency
- Hamilton County Sheriff's Department
- Noblesville School District
- Hamilton County Floodplain Administrator
- Noblesville City Engineer
- Noblesville Mayor's Office
- Noblesville Common Council
- Noblesville Police Department
- Noblesville Emergency Medical Services

Additional recipients:

Noblesville MS4 Coordinator- sent July 16, 2024 Ruoff Music Center- sent on July 18, 2024

C5

From: Lewandowski, Tyler
To: Samantha Beaupre
Cc: Trevor Wieseke

Subject: RE: Olio Road Added Travel Lane Project (Des. No. 2101733) Early Coordination Letter

Date: Monday, February 6, 2023 2:31:39 PM

Attachments: <u>image001.png</u> image002.png

image003.png image004.png image005.png image006.png image007.png image008.png image009.png image010.png

EXTERNAL

Good afternoon,

After review, no tall structure permit is required for the project if all equipment being used is under 100 feet in height. Please let our office know if you have any further questions.

Thank you,

Tyler Lewandowski
Project Manager
INDOT Office of Aviation
(317) 495-4875
tlewandowski@indot.in.gov

www.aviation.indot.in.gov



From: Samantha Beaupre <SBeaupre@lochgroup.com>

Sent: Monday, February 6, 2023 1:36 PM

Cc: Trevor Wieseke < TWieseke@lochgroup.com>

Subject: Olio Road Added Travel Lane Project (Des. No. 2101733) Early Coordination Letter

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

Good Afternoon,

Please see the attached early coordination letter for a proposed added travel lane project along Olio Road in Hamilton County, Indiana (Des. No. 2101733). Please contact me with any comments or concerns.

Thank you!

Samantha Beaupre

Early Coordination/Environmental Assessment

DNR #: ER-25344 Request Received: February 6, 2023

Requestor: Lochmueller Group Inc

Samantha Beaupre

3502 Woodview Trace, Suite 150

Indianapolis, IN 46268

Project: Olio Road added travel lanes from 146th to 156th Street, bridge (#29-00170)

replacement over Sand Creek, and new roundabout at 156th Street, City of Noblesville;

Des #2101733

County/Site info: Hamilton

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: This proposal will require the formal approval of our agency for construction in a

floodway pursuant to the Flood Control Act (IC 14-28-1), unless it qualifies for a bridge exemption (see enclosure). Please include a copy of this letter with the permit

application if the project does not meet the bridge exemption criteria.

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: Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest

extent possible, and compensate for impacts. The following are recommendations that

address potential impacts identified in the proposed project area:

1) Project Design:

The proposed project design should be revisited to reduce impacts to fish, wildlife, and botanical resources where possible. The road will consist of four (4) 12-foot lanes with a 20-foot raised grass median. The roadway will have curb and gutter and two (2) 10-foot multi-use paths on each side of the road. This amounts to a significantly wider

transportation corridor in an area that is generally rural in nature. Essentially there will be an approximately 88 foot wide transportation corridor between 146th Street and 156th Street. When designing a roadway, the goal should be to disturb as narrow an area as possible to help minimize negative impacts. Where significant impacts to fish, wildlife or botanical resources are likely due to the roadway's width, the roadway width should be reduced to help avoid those impacts whenever possible. For example, the width of the median could be reduced significantly to reduce the overall width and

impact of the proposed transportation corridor.

Maintaining or improving wildlife movement under roads is a priority concern for the Division of Fish & Wildlife for the ecological health of wildlife populations in terms of movement and dispersal, habitat connectivity, and to avoid unnecessary wildlife mortality on roads. Facilitating wildlife passage ability under roads means less wildlife crossing traffic lanes and consequently reduced driving hazards. We encourage improving fish and wildlife passage conditions, when possible. Additionally, any proposed landscaping along the corridor should consider the use of native trees,

Early Coordination/Environmental Assessment

shrubs, grasses, and wildflowers to offset impacts to these resources as a result of the proposed project.

It is also important to note that there are many studies which indicate that building new roadways or widening existing roadways actually creates or induces more traffic and congestion. It is understood that the proposed project is also intended to improve motorist safety in addition to adding capacity. The DFW recommends at a minimum considering the potential negative impacts of increasing capacity into the planning process. It appears that pedestrian facilities are being considered for inclusion. Including these types of transportation alternatives is recommended for inclusion in a project of this type to potentially offset some of the negative impacts of induced demand / traffic. The following is a link to a Federal Highway Administration Office of Planning webpage that discusses the basics of induced travel - https://www.fhwa.dot.gov/planning/itfag.cfm.

2) Stream Crossing Design:

For purposes of maintaining fish and wildlife passage through a crossing structure, the Environmental Unit recommends bridges rather than culverts and bottomless culverts rather than box or pipe culverts. Wide culverts are better than narrow culverts, and culverts with shorter through lengths are better than culverts with longer through lengths. If box or pipe culverts are used, the bottoms should be buried a minimum of 6" (or 20% of the culvert height/pipe diameter, whichever is greater up to a maximum of 2') below the stream bed elevation to allow a natural streambed to form within or under the crossing structure. Crossings should: span the entire channel width (a minimum of 1.2 times the OHWM width); maintain the natural stream substrate within the structure; and have stream depth, channel width, and water velocities during low-flow conditions that are approximate to those in the natural stream channel.

The new, replacement, or rehabbed structure, and any bank stabilization under the structure, should not create conditions that are less favorable for wildlife passage under the structure compared to the current conditions. Upgrading wildlife passage for replacement/rehabilitated structures is recommended whenever possible to improve wildlife/vehicle safety. White-tailed deer passage must be incorporated into all new structures where no structure previously existed. Minimum structure dimensions for white-tailed deer passage are 20 feet of width clearance (overall span of the structure) and 8 feet of height clearance measured from the OHWM. Bank lines must be maintained or restored within structures to allow for wildlife passage above the ordinary high water mark. All wildlife passage designs must include a smooth level pathway a minimum of 1-3 feet in width composed of natural substrate (soil, sand, gravel, etc.) or compacted aggregate fill over riprap (#2, #53, #73, etc.) tied into existing elevations both upstream and downstream. The width and location of the wildlife pathway is dependent on the wildlife species using the area.

There are a number of techniques and materials for incorporating wildlife passage into the design of a crossing structure if maintaining or restoring banklines is not possible. Coordination with a Regional Environmental Biologist to address wildlife passage issues before submitting a permit application (if required) is encouraged to avoid delays in the permitting process. The following links are good resources to consider in the design of stream crossing structures to maintain fish and wildlife passage: https://www.fs.usda.gov/wildlifecrossings/library/index.php, https://www.fhwa.dot.gov/clas/ctip/wildlife_crossing_structures/, https://www.fhwa.dot.gov/engineering/hydraulics/pubs/11008/hif11008.pdf, https://www.fs.usda.gov/ccrc/tool/fishxing-fish-passage-learning-systems.

Early Coordination/Environmental Assessment

3) Bank Stabilization:

Some form of bank stabilization is almost always needed with the construction, repair, replacement, or modification of a stream channel or crossing structure. For streambank stabilization and erosion control, regrading to a stable slope (2:1 or shallower) and establishing native vegetation along the banks are typically the most effective techniques. A variety of methods to accomplish this include: planting plugs, whips, container stock, seeding, and live stakes. In addition to vegetation establishment, some additional level of bioengineered bank stabilization may be needed under certain circumstances (inability to regrade to a stable slope, flow velocities that exceed the limits of vegetation alone, etc.). Combining vegetation with any of the following bank stabilization methods can provide additional bank protection while not compromising benefits to fish, wildlife, and botanical resources: geotextiles (erosion control blankets and/or turf reinforcement mats 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), vegetated geogrids or soil lifts, fiber rolls, glacial stone, or riprap.

Riprap or other hard bank stabilization materials should be used only at the toe of the sideslopes up to the ordinary high water mark (OHWM) with the exception of areas directly under bridges for instance. The banks above the OHWM should be restored, stabilized, and revegetated using geotextiles and a mixture of grasses, sedges, wildflowers, shrubs, and trees native to Central Indiana and specifically for stream bank/floodway stabilization purposes as soon as possible upon completion. Information about bioengineering techniques can be found at the following link to a USDA/NRCS document that outlines many different bioengineering techniques for streambank stabilization:

https://efotg.sc.egov.usda.gov/references/public/IA/Chapter-16_Streambank_and_Shor eline Protection.pdf.

4) Trees & Riparian Habitat:

We recommend a mitigation plan be developed (and submitted with the permit application, if required) for any unavoidable habitat impacts that will occur. The DNR's Habitat Mitigation Guidelines (and plant lists) can be found online at: https://www.in.gov/nrc/files/IB-17.pdf.

Impacts to non-wetland forest of one (1) acre or more in a rural or urban area should be mitigated at a minimum 2:1 ratio based on area of impact. Impacts to non-wetland forest under one (1) acre but at least 0.10 acre in a rural or urban area should be mitigated at a minimum 1:1 ratio based on area of impact. Impacts under 0.10 acre in a rural area typically do not require mitigation or additional plantings beyond seeding and stabilizing disturbed areas, though there are exceptions for high quality habitat sites. Impacts under 0.10 acre in an urban area should be mitigated by replacing trees that are 10" diameter-at-breast height (dbh) or greater by planting five trees, 1" to 2" in dbh, for each tree which is removed that is 10" dbh or greater. Seeding and stabilizing disturbed areas is required regardless of the impact amount and location. If floodway impacts to forested wetland and non-wetland habitat areas combine to be 0.10 acres or more, mitigation should be done and coordinated with the biologist, as needed.

5) Wetland Habitat:

Due to the presence or potential presence of wetland habitat on site, we recommend contacting and coordinating with the Indiana Department of Environmental Management (IDEM) 401 program (https://www.in.gov/idem/wetlands/2344.htm) and the US Army Corps of Engineers (USACE) 404 program

(https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/Obt ain-a-Permit/). Impacts to wetland habitat should be mitigated at the appropriate ratio, if required (see guidelines above).

Early Coordination/Environmental Assessment

6) LED Lighting:

The need for new lighting was not mentioned in the submitted information, but could potentially be needed in certain areas. Most transportation corridor designers and municipalities are trending toward LED lighting. Certain types of LED lighting can have negative impacts on both human and wildlife health and safety. The Division of Fish and Wildlife strongly encourages visiting the International Dark-Sky Association's website to learn more about the potential negative impacts of improperly selected LED lighting systems, if required:

https://www.darksky.org/our-work/lighting/lighting-for-citizens/led-guide/.

7) Drainage & Stormwater Management:

The DFW recommends considering a more sustainable approach to stormwater management. The traditional model of stormwater management aims to drain runoff as quickly as possible with the help of channels and pipes, which increases peak flows and costs of stormwater management. This type of solution only transfers drainage problems from one section of a basin to another. A more sustainable approach should aim to rebuild the natural water cycle by using storage techniques (retention basins, constructed wetlands, raingardens, etc.) and recharging groundwater using infiltration techniques (infiltration basins or trenches, pervious pavement, etc.). The following links give a good overview of traditional and sustainable stormwater management systems and their pros and cons for consideration during the design of the proposed project: https://www.epa.gov/greeningepa/epa-facility-stormwater-management; https://www.epa.gov/greeningepa/stormwater-management-practices-epa-facilities.

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 that are not currently mowed and maintained with a mixture of grasses, sedges, and wildflowers native to Central Indiana as soon as possible upon completion; turf-type grasses (including low-endophyte, friendly endophyte, and endophyte free tall fescue but excluding all other varieties of tall fescue) may be used in currently mowed areas only. A native herbaceous seed mixture must include at least 5 species of grasses and sedges and 5 species of wildflowers.
- 2. Minimize and contain within the project limits inchannel disturbance and the clearing of trees and brush.
- 3. Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Fish and Wildlife.
- 4. 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.
- 5. Do not construct any temporary runarounds, access bridges, causeways, cofferdams, diversions, or pumparounds.
- 6. Use minimum average 6 inch graded riprap stone extended below the normal water level to provide habitat for aquatic organisms in the voids.
- 7. Do not use broken concrete as riprap.
- 8. Underlay the riprap with a bedding layer of well graded aggregate or a geotextile to prevent piping of soil underneath the riprap.
- 9. Minimize the movement of resuspended bottom sediment from the immediate project area.
- 10. Do not deposit or allow construction/demolition materials or debris to fall or otherwise enter the waterway. Any incidental fallen material or debris in the waterway must be removed within 24 hours using best management practices, particularly lifting material out of the waterway and not dragging it across the streambed whenever possible.
- 11. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the waterbody or leaving the

Early Coordination/Environmental Assessment

construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.

12. 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.

Date: March 8, 2023

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

Commander Eighth Coast Guard District 1222 Spruce Street, Room 2 1020 St. Louis, MO 63103 Staff Symbol (dwb) Phone: (314) 269-2379 Fax: (314) 269-2737 rvan d.christensen@uscq.mil

16211 April 14, 2023

Ms. Samantha Beaupre Lochmueller Group, Inc. 3502 Woodview Trace, Suite 150 Indianapolis, IN 46268

Subj: DES No. 2101733, Added Travel Lines Olio Road, Sand Creek, Noblesville, Hamilton County, IN

Dear Ms. Beaupre:

This is in response to your email dated February 17, 2023 and corresponding information requesting whether the Coast Guard will require a permit and navigational lighting for the referenced bridge project. We have examined the proposed project area with regard to its status as a navigable water of the United States for purposes of Coast Guard bridge jurisdiction.

Our examination indicates that there is no sufficient factual support for concluding that Sand Creek at the project location, has current or historic navigation occurring on this waterway. Since this is the case, a Coast Guard bridge permit or exemption will not be required for the referenced bridge project.

In consideration of the uses of the waterway, bridge lighting is not required.

Sincerely.

ERIC A. WASHBURN

Bridge Supervisor, Western Rivers

By direction of the District Commander





Organization and Project Information

Project ID:

Des. ID: 2101733

Project Title: Olio Road Added Travel Lanes

Name of Organization: Lochmueller Group Requested by: Samantha Beaupre

Environmental Assessment Report

1. Geological Hazards:

- Moderate liquefaction potential
- Floodway

2. Mineral Resources:

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

Active or abandoned mineral resources extraction sites:

Petroleum Exploration Wells

DISCLAIMER:

This document was compiled by Indiana University, Indiana Geological Survey, using data believed to be accurate; however, a degree of error is inherent in all data. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of these data and document to define the limits or jurisdiction of any federal, state, or local government. The data used to assemble this document are intended for use only at the published scale of the source data or smaller (see the metadata links below) and are for reference purposes only. They are not to be construed as a legal document or survey instrument. A detailed on-the-ground survey and historical analysis of a single site may differ from these data and this document.

This information was furnished by Indiana Geological Survey

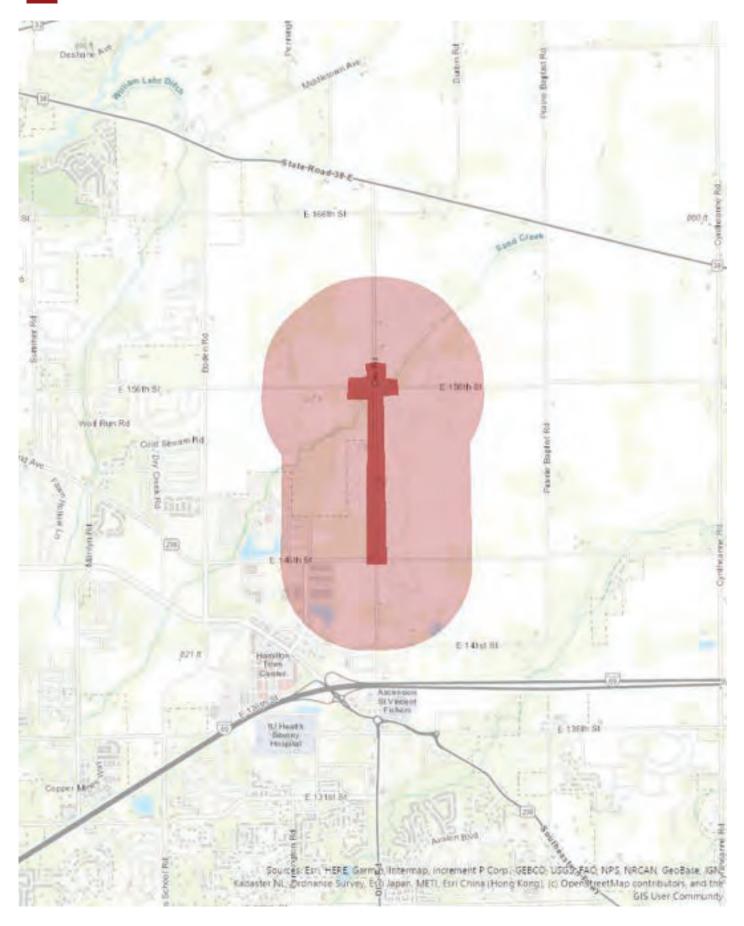
Address: 420 N. Walnut St., Bloomington, IN 47404

Email: IGSEnvir@indiana.edu

Phone: 812 855-7428 Date: December 11, 2023

^{*}Map layers from the Indiana Geological and Water Survey and Indiana Map







Farm Production and Conservation Natural Resources Conservation Service

Indiana State Office 6013 Lakeside Boulevard Indianapolis, Indiana 46278 317-295-5800

December 12, 2023

Samantha Beaupre 3502 Woodview Trace, Suite 150 Indianapolis, Indiana 46268

Dear Ms. Beaupre:

The proposed Travel Lane Project in the City of Noblesville, Hamilton County Indiana (Des. No. 2101733), as referred to in your letter received November 14, 2023, will cause a conversion of prime farmland.

The attached packet of information is for your use competing Parts VI and VII of the AD-1006. After completion, the federal funding agency needs to forward one copy to NRCS for our records.

If you need additional information, please contact John Allen at 317-295-5859 or john.allen@usda.gov.

Sincerely,

JOHN ALLEN

Digitally signed by JOHN ALLEN Date: 2023.12.13 15:28:09 -05'00'

JOHN ALLEN State Soil Scientist

USDA is an equal opportunity provider, employer, and lender.

Des. No. 2101733 Appendix C: Early Coordination C15

U.S. DEPARTMENT OF AGRICULTURE
Natural Resources Conservation Service

NRCS-CPA-106

(Rev. 1-91)

FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency)				3. Date of Land Evaluation Request 4. Sheet 1 of 1 Sheet 1 of 1								
1. Name of Project Olio Road (Des. No. 2101733)				5. Federal Agency Involved FHWA								
2. Type of Project Added Travel Lanes				6. County and State Hamilton County, IN								
PART II (To be completed by NRCS)				Request Received by	/ NRCS	Person Completing Form JRA						
3. Does the corridor contain prime, unique statewide or local important farmlan (If no, the FPPA does not apply - Do not complete additional parts of this for				YES IAI NO I I			4. Acres Irrigated Average Farm Size 218 ac					
5. Major Crop(s)	,			nment Jurisdiction		7. Amour	nt of Farmland As D	efined in FPPA				
Corn		Acres: 1750	655	% 68		Acres: 169413 % 66						
0.0				ssment System		eturned by NRCS						
	daral Amanay)			Alternati	ve Corri	idor For Segment						
PART III (To be completed by Fe	derai Agency)			Corridor A	Corr	idor B	Corridor C	Corridor D				
A. Total Acres To Be Converted Directly				25.6								
B. Total Acres To Be Converted India	ectly, Or To Receive S	Services		0								
C. Total Acres In Corridor				25.6								
PART IV (To be completed by N	RCS) Land Evaluati	on Information										
A. Total Acres Prime And Unique Fa	armland			12.34								
B. Total Acres Statewide And Local	Important Farmland			0.00								
C. Percentage Of Farmland in Cour	ity Or Local Govt. Unit	To Be Converted	ł	0.007								
D. Percentage Of Farmland in Govt.	Jurisdiction With Same	Or Higher Relative	ve Value	45								
PART V (To be completed by NRCS value of Farmland to Be Serviced of			Relative	87								
PART VI (To be completed by Fed		ŕ	/laximum	07								
Assessment Criteria (These criteria	• • •		Points									
1. Area in Nonurban Use			15	15								
2. Perimeter in Nonurban Use			10	10								
3. Percent Of Corridor Being Farmed			20	20								
Protection Provided By State And Local Government			20	0								
Size of Present Farm Unit Compared To Average			10	5								
6. Creation Of Nonfarmable Farmland			25	0								
7. Availablility Of Farm Support Services			5	5								
8. On-Farm Investments			20	5								
Effects Of Conversion On Farm Support Services			25	0								
10. Compatibility With Existing Agricultural Use			10	0								
TOTAL CORRIDOR ASSESSMENT POINTS			160	60	0		0	0				
PART VII (To be completed by Federal Agency)												
Relative Value Of Farmland (From Part V)			100	87	0		0	0				
Total Corridor Assessment (From Part VI above or a local site assessment)			160	60	0		0	0				
TOTAL POINTS (Total of above 2 lines)			260	147	0		0	0				
Corridor Selected:	Total Acres of Farm Converted by Proje	1 -	. Date Of	Selection:	4. Was	A Local Si	te Assessment Use	ed?				
Corridor A	25.6	1	1/14/23			YES NO 🗹						
5. Reason For Selection:					•							
Corridor A represents the le	east possible impa	acts while me	eting th	e project's pur _l	pose ar	nd need.						
Signature of Person Completing this	DATE 11/14/23											
Cumunita Beaupic												
NOTE: Complete a form for ea	ach segment with r	nore than one	Alternat	e Corridor								

Des. No. 2101733



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: 09/04/2024 18:15:48 UTC

Project Code: 2024-0026016

Project Name: Des. No. 2101733 - Olio Road Added Travel Lanes - Hamilton County, IN

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 IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC 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.

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

Project code: 2024-0026016 09/04/2024 18:15:48 UTC

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: https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.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 <u>Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service (fws.gov)</u>.

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/library/collections/threats-birds.

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/partner/council-conservation-migratory-birds.

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

Project code: 2024-0026016 09/04/2024 18:15:48 UTC

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: 2024-0026016

Project Name: Des. No. 2101733 - Olio Road Added Travel Lanes - Hamilton County,

ΙN

Project Type: Road/Hwy - Maintenance/Modification

Project Description: The City of Noblesville, with funding from the Federal Highway

Administration (FHWA) and administrative oversight from the Indiana Department of Transportation (INDOT) Greenfield District, intends to proceed with the following added travel lanes project along Olio Road, from 146th Street to 156th Street in Hamilton County, Indiana. The total

length of the project is 0.93 mile (4,910 feet) along Olio Road.

The proposed project involves the widening from a two-lane road into a four-lane boulevard. The road will consist of four (4) 12-foot lanes with a 16-foot raised grass median. The roadway will have curb and gutter and two (2) 10-foot multi-use paths on each side of the road. Bridge #29-00170 over Sand Creek will be replaced as part of the project. The proposed bridge will consist of four (4) 12-foot lanes with two (2) 2-foot shoulders and two (2) 10-foot multi-use paths, one (1) 4-foot median, two (2) 1-foot barrier rails, and two (2) 13-inch tall curbs. It is anticipated that the new bridge will have an out-to-out coping of 83 feet and 2 inches. In addition, construction of a roundabout is proposed at the intersection of 156th Street and Olio Road. One other bridge within the project area, Bridge #29-00277, will not be impacted as part of the project.

The project is anticipated to require approximately 27 acres of permanent right-of-way (ROW). Suitable summer bat habitat is located near and within the project area. The dominant species in the project area are silver maple (Acer saccharinum) and river birch (Betula nigra). Approximately 0.55 acre of tree clearing will be required within 100 feet of the roadway during the inactive season. Adjacent land use is rural and consists of residential and agricultural land. Permanent lighting will likely be installed around the constructed roundabout. Use of temporary lighting may be necessary if night work is required. Construction is anticipated to begin in Fiscal Year (FY) 2027.

A review of the USFWS databased completed September 8, 2022 by INDOT Greenfield District did not indicate the presence of endangered bat species or their hibernacula within 0.5 mile of the project area. An inspection of Bridge #29-00170 occurred on September 14, 2022 by Lochmueller Group, and there was no evidence of bats.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.0101378,-85.91898966845866,14z

Project code: 2024-0026016 09/04/2024 18:15:48 UTC



Counties: Hamilton County, Indiana

Project code: 2024-0026016 09/04/2024 18:15:48 UTC

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.

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. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

09/04/2024 18:15:48 UTC Project code: 2024-0026016

MAMMALS

NAME **STATUS**

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: https://ecos.fws.gov/ecp/species/5949

BIRDS

NAME STATUS

Whooping Crane *Grus americana*

Experimental

Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

Population,

No critical habitat has been designated for this species.

Non-

Species profile: https://ecos.fws.gov/ecp/species/758

Essential

INSECTS

NAME **STATUS**

Monarch Butterfly Danaus plexippus

Candidate

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

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

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2024-0026016 09/04/2024 18:15:48 UTC

IPAC USER CONTACT INFORMATION

Agency: Lochmueller Group
Name: Samantha Beaupre
Address: 3502 Woodview Trace

Address Line 2: Suite 150 City: Indianapolis

State: IN Zip: 46268

Email sbeaupre@lochgroup.com

Phone: 3172223880

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

8 of 8



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: January 09, 2024

Project code: 2024-0026016

Project Name: Des. No. 2101733 - Olio Road Added Travel Lanes - Hamilton County, IN

Subject: Concurrence verification letter for the 'Des. No. 2101733 - Olio Road Added Travel

Lanes - Hamilton County, IN' project under the amended February 5, 2018, FHWA,

FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for

Transportation Projects within the Range of the Indiana Bat and Northern Long-eared

Bat (NLEB).

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated January 09, 2024 to verify that the **Des. No. 2101733 - Olio Road Added Travel Lanes - Hamilton County, IN** (Proposed Action) may rely on the concurrence provided in the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) 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 is within the scope and adheres to the criteria of the PBO, including the adoption of applicable avoidance and minimization measures. At least one of the qualification interview questions indicated an activity or portion of your project is consistent with a not likely to adversely affect determination therefore, the overall determination for your project is, may affect, and is not likely to adversely affect (NLAA) the endangered Indiana bat (*Myotis sodalis*) and/or the endangered northern long-eared bat (*Myotis septentrionalis*). Consultation with the Service pursuant to section 7(a)(2) of ESA (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required.

The Service has 14 calendar days to notify the lead Federal action agency or designated non-federal representative if we determine that the Proposed Action does not meet the criteria for a NLAA determination under the PBO. If we do <u>not</u> notify the lead Federal action agency or designated non-federal representative within that timeframe, you may proceed with the Proposed Action under the terms of the NLAA concurrence provided in the PBO. This verification period

allows Service Field Offices to apply local knowledge to implementation of the PBO, as we may identify a small subset of actions having impacts that were unanticipated. In such instances, Service Field Offices may request additional information that is necessary to verify inclusion of the proposed action under the PBO.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities: If your initial bridge/culvert or structure assessment documented signs of bat use or occupancy, or an assessment failed to detect Indiana bats and/or NLEBs, yet are later detected 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 any potential take. In these instances, potential incidental take of Indiana bats and/or NLEBs is covered under the Incidental Take Statement in the 2018 FHWA, FRA, FTA PBO (provided that the take is reported to the Service).

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 and/or NLEB use or occupancy, yet bats are later detected 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 and/or NLEBs 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 any 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 contact this Service Office.

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

- Monarch Butterfly Danaus plexippus Candidate
- Tricolored Bat Perimyotis subflavus Proposed Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

PROJECT DESCRIPTION

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

NAME

Des. No. 2101733 - Olio Road Added Travel Lanes - Hamilton County, IN

DESCRIPTION

The City of Noblesville, with funding from the Federal Highway Administration (FHWA) and administrative oversight from the Indiana Department of Transportation (INDOT) Greenfield District, intends to proceed with the following added travel lanes project along Olio Road, from 146th Street to 156th Street in Hamilton County, Indiana. The total length of the project is 0.93 mile (4,910 feet) along Olio Road.

The proposed project involves the widening from a two-lane road into a four-lane boulevard. The road will consist of four (4) 12-foot lanes with a 16-foot raised grass median. The roadway will have curb and gutter and two (2) 10-foot multi-use paths on each side of the road. Bridge #29-00170 over Sand Creek will be replaced as part of the project. The proposed bridge will consist of four (4) 12-foot lanes with two (2) 2-foot shoulders and two (2) 10-foot multi-use paths, one (1) 4-foot median, two (2) 1-foot barrier rails, and two (2) 13-inch tall curbs. It is anticipated that the new bridge will have an out-to-out coping of 83 feet and 2 inches. In addition, construction of a roundabout is proposed at the intersection of 156th Street and Olio Road. One other bridge within the project area, Bridge #29-00277, will not be impacted as part of the project.

The project is anticipated to require approximately 27 acres of permanent right-of-way (ROW). Suitable summer bat habitat is located near and within the project area. The dominant species in the project area are silver maple (Acer saccharinum) and river birch (Betula nigra). Approximately 0.55 acre of tree clearing will be required within 100 feet of the roadway during the inactive season. Adjacent land use is rural and consists of residential and agricultural land. Permanent lighting will likely be installed around the constructed roundabout. Use of temporary lighting may be necessary if night work is required. Construction is anticipated to begin in Fiscal Year (FY) 2027.

A review of the USFWS databased completed September 8, 2022 by INDOT Greenfield District did not indicate the presence of endangered bat species or their hibernacula within 0.5 mile of the project area. An inspection of Bridge #29-00170 occurred on September 14, 2022 by Lochmueller Group, and there was no evidence of bats.



DETERMINATION KEY RESULT

Based on your answers provided, this project(s) may affect, but is not likely to adversely affect the endangered Indiana bat and/or the endangered northern long-eared bat, therefore, 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. However, also based on your answers provided, this project may rely on the concurrence provided in the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

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 <u>summer survey guidance</u> 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 <u>User's Guide for the Range-wide Programmatic Consultation for Indiana Bat and Northern Long-eared Bat</u>.

Yes

- 9. Will the project remove *any* suitable summer habitat^[1] and/or remove/trim any existing trees **within** suitable summer habitat?
 - [1] See the Service's <u>summer survey guidance</u> for our current definitions of suitable habitat. *Yes*
- 10. Will the project clear more than 20 acres of suitable habitat per 5-mile section of road/rail? *No*
- 11. Have presence/probable absence (P/A) summer surveys^{[1][2]} been conducted^{[3][4]} **within** the suitable habitat located within your project action area?
 - [1] See the Service's <u>summer survey guidance</u> for our current definitions of suitable habitat.
 - [2] Presence/probable absence summer surveys conducted within the fall swarming/spring emergence home range of a documented Indiana bat hibernaculum (contact local Service Field Office for appropriate distance from hibernacula) that result in a negative finding requires additional consultation with the local Service Field Office to determine if clearing of forested habitat is appropriate and/or if seasonal clearing restrictions are needed to avoid and minimize potential adverse effects on fall swarming and spring emerging Indiana bats.
 - [3] For projects within the range of either the Indiana bat or NLEB in which suitable habitat is present, and no bat surveys have been conducted, the transportation agency will assume presence of the appropriate species. This assumption of presence should be based upon the presence of suitable habitat and the capability of bats to occupy it because of their mobility.
 - [4] Negative presence/probable absence survey results obtained using the <u>summer survey guidance</u> are valid for a minimum of two years from the completion of the survey unless new information (e.g., other nearby surveys) suggest otherwise.

No

12. Does the project include activities within documented Indiana bat habitat^{[1][2]}?

[1] Documented roosting or foraging habitat – for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

[2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

13. Will the removal or trimming of habitat or trees occur **within** suitable but **undocumented Indiana bat** roosting/foraging habitat or travel corridors?

Yes

- 14. What time of year will the removal or trimming of habitat or trees **within** suitable but **undocumented Indiana bat** roosting/foraging habitat or travel corridors occur^[1]?
 - [1] Coordinate with the local Service Field Office for appropriate dates.
 - B) During the inactive season
- 15. Does the project include activities **within documented NLEB habitat**^{[1][2]}?
 - [1] Documented roosting or foraging habitat for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)
 - [2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

16. Will the removal or trimming of habitat or trees occur **within** suitable but **undocumented NLEB** roosting/foraging habitat or travel corridors?

Yes

- 17. What time of year will the removal or trimming of habitat or trees **within** suitable but **undocumented NLEB** roosting/foraging habitat or travel corridors occur?
 - B) During the inactive season
- 18. Will *any* tree trimming or removal occur **within** 100 feet of existing road/rail surfaces? *Yes*
- 19. Will *any* tree trimming or removal occur **between** 100-300 feet of existing road/rail surfaces?

No

20. Are *all* trees that are being removed clearly demarcated?

Yes

21. Will the removal of habitat or the removal/trimming of trees include installing new or replacing existing **permanent** lighting?

Yes

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

No

23. Does the project include slash pile burning?

No

- 24. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)? *Yes*
- 25. Is there *any* suitable habitat^[1] for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)
 - [1] See the Service's current <u>summer survey guidance</u> for our current definitions of suitable habitat. *Yes*
- 26. Has a bridge assessment^[1] been conducted **within** the last 24 months^[2] to determine if the bridge is being used by bats?
 - [1] See <u>User Guide Appendix D</u> for bridge/structure assessment guidance
 - [2] Assessments must be completed no more than 2 years prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Consultation, regardless of whether assessments have been conducted in the past. Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that bridge/structure in subsequent years.

Yes

SUBMITTED DOCUMENTS

2101733_Olio Road_Bat Inspection Form.pdf https://ipac.ecosphere.fws.gov/project/UK4EUPC2WBBIPIIGNRBVSUGJW4/
 projectDocuments/135835894

27. Did the bridge assessment detect *any* signs of Indiana bats and/or NLEBs roosting in/under the bridge (bats, guano, etc.)^[1]?

[1] If bridge assessment detects signs of *any* species of bats, coordination with the local FWS office is needed to identify potential threatened or endangered bat species. Additional studies may be undertaken to try to identify which bat species may be utilizing the bridge prior to allowing *any* work to proceed.

Note: There is a small chance bridge assessments for bat occupancy do not detect bats. Should a small number of bats be observed roosting on a bridge just prior to or during construction, such that take is likely to occur or does occur in the form of harassment, injury or death, the PBO requires the action agency to report the take. Report all unanticipated take within 2 working days of the incident to the USFWS. Construction activities may continue without delay provided the take is reported to the USFWS and is limited to 5 bats per project.

No

28. Will the bridge removal, replacement, and/or maintenance activities include installing new or replacing existing **permanent** lighting?

No

29. 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

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

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

Yes

32. Will the project install *any* new or replace any existing **permanent** lighting in addition to the lighting already indicated for habitat removal (including the removal or trimming of trees) or bridge/structure removal, replacement or maintenance activities?

Yes

33. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **permanent** lighting (other than the lighting already indicated for habitat removal (including the removal or trimming of trees) or bridge/structure removal, replacement or maintenance activities) will be installed or replaced?

Yes

34. 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?

Yes

35. Will the activities that use percussives (**not including tree removal/trimming or bridge/ structure work**) and/or increase noise levels above existing traffic/background levels be conducted *during* the active season^[1]?

[1] Coordinate with the local Service Field Office for appropriate dates.

Yes

- 36. Will *any* activities that use percussives (**not including tree removal/trimming or bridge/ structure work**) and/or increase noise levels above existing traffic/background levels be conducted *during* the inactive season^[1]?
 - [1] Coordinate with the local Service Field Office for appropriate dates.

Yes

37. 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

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

No

39. Are the project activities that use percussives (not including tree removal/trimming or bridge/structure work) consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the activities are within 300 feet of the existing road/rail surface, greater than 0.5 miles from a hibernacula, and conducted during the active season within undocumented habitat.

40. Are the project activities that use percussives (not including tree removal/trimming or bridge/structure work) and/or increase noise levels above existing traffic/background levels consistent with a No Effect determination in this key?

Automatically answered

Yes, because the activities are within 300 feet of the existing road/rail surface, greater than 0.5 miles from a hibernacula, and conducted during the inactive season

41. Is the habitat removal portion of this project consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the tree removal/trimming that occurs outside of the Indiana bat's active season occurs greater than 0.5 miles from the nearest hibernaculum, is less than 100 feet from the existing road/rail surface, includes clear demarcation of the trees that are to be removed, and does not alter documented roosts and/or surrounding summer habitat within 0.25 miles of a documented roost.

42. Is the habitat removal portion of this project consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the tree removal/trimming that occurs outside of the NLEB's active season occurs greater than 0.5 miles from the nearest hibernaculum, is less than 100 feet from the existing road/rail surface, includes clear demarcation of the trees that are to be removed, and does not alter documented roosts and/or surrounding summer habitat within 0.25 miles of a documented roost.

43. Is the bridge removal, replacement, or maintenance activities portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the bridge has been assessed using the criteria documented in the BA and no signs of bats were detected

44. General AMM 1

Will the project ensure *all* operators, employees, and contractors working in areas of known or presumed bat habitat are aware of *all* FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable Avoidance and Minimization Measures?

Yes

45. Tree Removal AMM 1

Can *all* phases/aspects of the project (e.g., temporary work areas, alignments) be modified, to the extent practicable, to avoid tree removal^[1] in excess of what is required to implement the project safely?

Note: Tree Removal AMM 1 is a minimization measure, the full implementation of which may not always be practicable. Projects may still be NLAA as long as Tree Removal AMMs 2, 3, and 4 are implemented and LAA as long as Tree Removal AMMs 3, 5, 6, and 7 are implemented.

[1] The word "trees" as used in the AMMs refers to trees that are suitable habitat for each species within their range. See the USFWS' current summer survey guidance for our latest definitions of suitable habitat.

Yes

46. Tree Removal AMM 3

Can tree removal be limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits)?

Yes

47. Tree Removal AMM 4

Can the project avoid cutting down/removal of *all* (1) **documented**^[1] Indiana bat or NLEB roosts^[2] (that are still suitable for roosting), (2) trees **within** 0.25 miles of roosts, and (3) documented foraging habitat any time of year?

- [1] The word documented means habitat where bats have actually been captured and/or tracked.
- [2] Documented roosting or foraging habitat for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

Yes

48. Lighting AMM 2

Does the lead agency use the BUG (Backlight, Uplight, and Glare) system developed by the Illuminating Engineering Society^[1] to rate the amount of light emitted in unwanted directions?

[1] Refer to The BUG System—A New Way To Control Stray Light

Yes

49. Lighting AMM 2

Will the **permanent** lighting used during removal of suitable habitat and/or the removal/ trimming of trees within suitable habitat be designed to be as close to 0 for all three BUG ratings as possible, with a priority of "uplight" of 0 and "backlight" as low as practicable? *Yes*

50. Lighting AMM 1

Will *all* **temporary** lighting be directed away from suitable habitat during the active season?

Yes

51. Lighting AMM 2

Does the lead agency use the BUG (Backlight, Uplight, and Glare) system developed by the Illuminating Engineering Society^[1] to rate the amount of light emitted in unwanted directions?

[1] Refer to The BUG System—A New Way To Control Stray Light

Yes

52. Lighting AMM 2

Will the **permanent** lighting (other than any lighting already indicated for tree clearing or bridge/structure removal, replacement or maintenance activities) be designed to be as close to 0 for all three BUG ratings as possible, with a priority of "uplight" of 0 and "backlight" as low as practicable?

Yes

PROJECT QUESTIONNAIRE

1. Have you made a No Effect determination for *all* other species indicated on the FWS IPaC generated species list?

Yes

2. Have you made a May Affect determination for *any* other species on the FWS IPaC generated species list?

No

3. How many acres^[1] of trees are proposed for removal between 0-100 feet of the existing road/rail surface?

[1] If described as number of trees, multiply by 0.09 to convert to acreage and enter that number. 0.55

4. Please describe the proposed bridge work:

Bridge #29-00170 over Sand Creek will be replaced as part of the project. The proposed bridge will consist of four (4) 12-foot lanes with two (2) 2-foot shoulders and two (2) 10-foot multi-use paths, one (1) 4-foot median, two (2) 1-foot barrier rails, and two (2) 13-inch tall curbs. It is anticipated that the new bridge will have an out-to-out coping of 83 feet and 2 inches.

5. Please state the timing of all proposed bridge work:

Fall of 2026

6. Please enter the date of the bridge assessment:

September 14, 2022

AVOIDANCE AND MINIMIZATION MEASURES (AMMS)

This determination key result includes the committment to implement the following Avoidance and Minimization Measures (AMMs):

TREE REMOVAL AMM 1

Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal.

LIGHTING AMM 1

Direct temporary lighting away from suitable habitat during the active season.

TREE REMOVAL AMM 2

Apply time of year restrictions for tree removal when bats are not likely to be present, or limit tree removal to 10 or fewer trees per project at any time of year within 100 feet of existing road/rail surface and **outside of documented** roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with <u>no bats observed</u>.

LIGHTING AMM 2

When installing new or replacing existing permanent lights, use downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting); or for those transportation

agencies using the BUG system developed by the Illuminating Engineering Society, be as close to 0 for all three ratings with a priority of "uplight" of 0 and "backlight" as low as practicable.

TREE REMOVAL AMM 3

Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits).

TREE REMOVAL AMM 4

Do not remove **documented** Indiana bat or NLEB roosts that are still suitable for roosting, or trees within 0.25 miles of roosts, or

documented foraging habitat any time of year.

GENERAL AMM 1

Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable AMMs.

DKey Version Publish Date: 10/30/2023 14 of 16

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING NLEB OR INDIANA BAT

This key was last updated in IPaC on October 30, 2023. 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 endangered **northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should <u>only</u> be used to verify project applicability with the Service's <u>amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects</u>. 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 <u>not</u> 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: Delaney Weston Address: 32 S Broadway City: Greenfield

State: IN Zip: 46140

Email dweston@indot.in.gov

Phone: 3174673901

LEAD AGENCY CONTACT INFORMATION

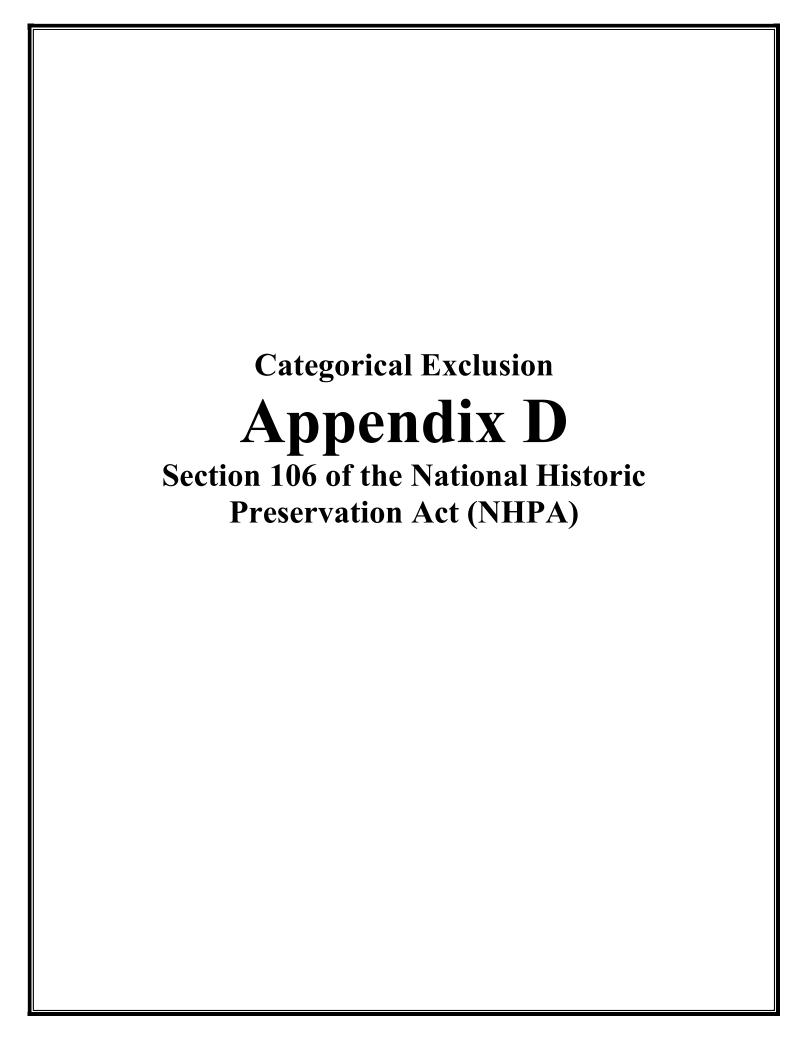
Lead Agency: Federal Highway Administration

DKey Version Publish Date: 10/30/2023

Bridge/Structure Bat Assessment Form

	te & Time September 14, 2022 12:00 PM Assessment	DOT Project Number 2101733		Route/Facility Carried Olio Road				County Hamilton			
Fed Str	Federal Structure ID 29-00170 Structure ID 29-00170 Structure Coordinates Lat: 40.01572 (latitude and longitude) Long: -85.91923			ructure Height pproximate)	ft.	Structure Length 22 ft.					
Structure Type (check one)				tructure Mat	al (check al	that apply)					
Bridge Construction Style				eck Material	am Material	End/Back Wall Material					
\cap	Cast-in-place Pre-stressed Girder			Metal		None		Concrete			
\simeq	Cuttin place		_	Concrete	Н	Concrete	L	Timber Stone/Masonry			
0	Flat Slab/Box	Steel I-beam	H	Timber Open grid	H	Steel Timber	┢	Other:			
0	Truss AAA	Covered	F	Other:	F	Other:	Creosote Evidence		9		
	Side View		Ę	<u>-1</u>			O Yes O No				
\cup	Parallel Box Beam	Other:	Culvert Material				Unknown				
Си	lvert Type	Other Structure	×	Metal Concrete			No	otes:			
0	Вох		Plastic		1						
Q	Pipe/Round		Stone/Masonry								
	Other:		Ļ	Other:			<u> </u>				
	ossings Traversed (check all th			urrounding	на	bitat (cneck	aı	1			
	Bare ground Rip-rap	X Open vegetation Closed vegetation	쓴	X Agricultural Commercial			Grassland Ranching				
쉾	Flowing water	Railroad	┢	Residential-urban			┢	Riparian/wetland			
	Standing water	Road/trail - Type:	X					Mixed use			
	Seasonal water	Other:		Woodland/foreste	ed			Other:			
	eas Assessed (check all that ap										
		present in the structure, check the "not present									
Do	cument all bat indicators observed during	g the assessment. Include the species prese	_			· ·				d.	
	ea (check if assessed)	Assessment Notes	E	vidence of E	at	s (include pl	not	os if preser	nt)		
	All crevices and cracks:	Not present	F	1				Audible	\perp	Species	
	Bridges/culverts: rough surfaces or		F	Visual - live # Guano		dead #	┡	Odor	_		
إنسنا	imperfections in concrete			Staining			┢	Photos	_		
	Other structures: soffits, rafters, attic areas		H	<u></u>			_		_		
	areas	Not present					T	Audible	Т	Species	
X	Concrete surfaces (open roosting on		L	Visual - live #		dead #		Odor		•	
	concrete)		L	Guano			L	Photos	_		
Н		X Not present	┝	Staining			┢	Audible	_	Species	
Н	Spaces between concrete end walls	Not present		Visual - live #		dead #	\vdash	Odor	+	Species	
Н	and the bridge deck			Guano				Photos			
	-			Staining						•	
	Crack between concrete railings on top	X Not present	┢	\(\(\text{i} = \text{i} = \text{i} \)		dd-#	L	Audible	_	Species	
Ш	of the bridge deck			Visual - live # Guano	dead #			Odor Photos	\dashv		
	Railing		Н	Staining				1 110103			
		X Not present	F					Audible		Species	
	Vertical surfaces on concrete I-beams		H	Visual - live #		dead #	F	Odor	\dashv		
			H	Guano Staining				Photos	-		
		Not present	E	Ottaming			┢	Audible	+	Species	
X	Spaces between walls, ceiling joists		L	Visual - live #		dead #		Odor			
H	opaces between wans, centry joists		L	Guano				Photos			
\vdash		Not present	┝	Staining			┢	Audible	_	Species	
	Weep holes, scupper drains, and	Not present	⊏	Visual - live #		dead #	\vdash	Odor	+	Species	
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				Staining							
		Not present		Vigual - livo #		dead #	L	Audible	+	Species	
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L			Г	Staining							
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\times	All expansion joints		H	Visual - live #		dead #	F	Odor	4		
	•		H	Guano Staining				Photos	\dashv		
H			۲	Joanning							
Na	_{nme:} Samantha Beaupre		Si	ignature:	5	amanth	a	Beaug	ne	•	

Last revised April 2020 Assessment Form



ADDED TRAVEL LANES PROJECT

Finding/800.11(e) Documentation

Olio Road from 146th Street to 156th Street

Fall Creek and Wayne Townships Hamilton County, Indiana

Des. No. 2101733 DHPA No. 30058



LOCHMUELLER

Lochmueller Group, Inc.

3502 Woodview Trace, Suite 150

Indianapolis, Indiana 46268

Phone: 317.222.3880

Added Travel Lanes Project
Olio Road from 146th Street to 156th Street
Fall Creek and Wayne Townships, Hamilton County, Indiana
Des. No. 2101733
DHPA No. 30058

Finding/800.11(e) Documentation

Prepared For:

City of Noblesville Federal Highway Administration

Prepared By:

Hannah Blod

Hannah Blad

Lochmueller Group 3502 Woodview Trace, Suite 150 Indianapolis, IN 46268

> Date November 7, 2024

FEDERAL HIGHWAY ADMINISTRATION'S SECTION 4(F) COMPLIANCE REQUIREMENTS (FOR HISTORIC PROPERTIES) AND SECTION 106 FINDINGS AND DETERMINATIONS AREA OF POTENTIAL EFFECTS ELIGIBILITY DETERMINATIONS EFFECT FINDING

ADDED TRAVEL LANES PROJECT
OLIO ROAD FROM 146TH STREET TO 156TH STREET
FALL CREEK AND WAYNE TOWNSHIPS, HAMILTON COUNTY, INDIANA
DES. NO.: 2101733

AREA OF POTENTIAL EFFECTS
(Pursuant to 36 CFR Section 800.4(a)(1))

The Area of Potential Effects (APE) for this project encompasses all resources immediately adjacent to the project area and those that may not be immediately adjacent but that have a proximate viewshed of the project area. The project area encompasses the area required to support the purpose and need of the project. Due to the flat nature of the area, a 1000-foot buffer from the project area was used as the APE to encompass all proposed activities and their effects to adjacent properties. The Archaeological APE is defined as the 19.65-hectares survey area approximately 1.8 kilometers in length encompassing Olio Road and all intersections within the project limits, which was investigated for the presence of archaeological resources. See Appendix A for maps of the project area and APE.

ELIGIBILITY DETERMINATIONS
(Pursuant to 36 CFR Section 800.4(c)(2))

There are no properties currently listed in the National Register of Historic Places (NRHP) within the APE.

There are two properties recommended eligible for listing in the NRHP within the APE:

Wiseman Farm (Indiana Historical Sites and Survey Inventory [IHSSI] #057-541-40032). The Wiseman Farm consists of a c. 1920 Bungalow/Craftsman style dwelling, a c. 1920 well house, a c. 1920 gambrel barn, a c. 1920 front gabled barn, and a new chicken house built in the late 1990s on a c. 1920 foundation. The Wiseman Farm also retains additional Contributing features that support the property's significance within the local agricultural context during the period of significance. Within the barn lot (a former livestock grazing area/feed lot), west of the two barns, a c. 1920 formed concrete water trough stands next to the concrete foundation of the windmill that once filled it. A small orchard (mature apple trees) grows in the southeast part of the parcel. The fence line surrounding the tillable acreage west of the barn lot is galvanized mild steel woven wire with alternating wood posts and steel T-posts consistent with fencing commonly available from the 1920s through the 1940s. The Wiseman Farm is recommended eligible for listing in the NRHP under Criterion A for its association with local agricultural history and under Criterion C for its architectural merit.

Hair-Whitaker Farm (Lochmueller #4). The Hair-Whitaker Farm is composed of a collection of preserved agricultural outbuildings from the twentieth century, with only two structures on the property not built c. 1920. In total, there are six (6) structures on the Hair-Whitaker Farm property, and all are Contributing to the historical significance of the farm. The farmhouse on the property is a c. 1920 cross-gabled farmhouse that sits on a concrete block foundation. The farm also contains a c. 1920 shed, a c. 1920 gable barn, a c. 1920 gambrel barn, a c. 1950 pole barn, and a c. 1930 WPA style outhouse. The Hair-Whitaker Farm is recommended eligible for the NRHP under Criterion A for its significance to local agricultural history and under Criterion C for architectural merit.

EFFECT FINDING

Wiseman Farm (IHSSI #057-541-40032) – No Adverse Effect Hair-Whitaker Farm (Lochmueller #4) – No Adverse Effect

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INDOT, acting on FHWA's behalf, has determined a "No Adverse Effect" finding is appropriate for this undertaking.

INDOT respectfully requests the Indiana State Historic Preservation Officer provide written concurrence with the Section 106 determination of effect.

SECTION 4(F) COMPLIANCE REQUIREMENTS (for historic properties)

Wiseman Farm (IHSSI #057-541-40032) - This undertaking will convert property from the Wiseman Farm (IHSSI #057-541-40032), a Section 4(f) historic property, to a transportation use; INDOT, acting on FHWA's behalf has determined the appropriate Section 106 finding is "No Adverse Effect"; therefore FHWA hereby intends to issue a "de minimis" finding for the Wiseman Farm (IHSSI #057-541-40032), pursuant to SAFETEA-LU, thereby satisfying FHWA's responsibilities under Section 4(f) for this historic property.

Hair-Whitaker Farm (Lochmueller #4) – This undertaking will not convert property from Hair-Whitaker Farm (Lochmueller #4), a Section 4(f) historic property, to a transportation use; INDOT, acting on FHWA's behalf has determined the appropriate Section 106 finding is "No Adverse Effect"; therefore, no Section 4(f) evaluation is required for Hair-Whitaker Farm (Lochmueller #4).

Matthew S. Coon, for FHWA

Manager

INDOT Cultural Resources

November 19, 2024

Approval Date

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FEDERAL HIGHWAY ADMINISTRATION DOCUMENTATION OF SECTION 106 FINDING OF NO ADVERSE EFFECT SUBMITTED TO THE STATE HISTORIC PRESERVATION OFFICER PURSUANT TO 36 CFR 800.5(c)

ADDED TRAVEL LANES PROJECT
OLIO ROAD FROM 146TH STREET TO 156TH STREET
FALL CREEK AND WAYNE TOWNSHIPS, HAMILTON COUNTY, INDIANA
DES. NO.: 2101733

1. DESCRIPTION OF THE UNDERTAKING

The City of Noblesville, with funding from the Federal Highway Administration (FHWA) and administrative oversight from the Indiana Department of Transportation (INDOT) proposes to proceed with an added travel lanes project (Des. No. 2101733). The FHWA is providing funding and is the lead federal agency for this Section 106 undertaking. The proposed undertaking is on Olio Road from 146th Street to 156th Street in Hamilton County, Indiana. It is within Fall Creek and Wayne Township, Riverwood USGS Topographic Quadrangle, in Section 11, 14, and 23, Township 18 North, Range 5 East. Adjacent land use consists of residential and agricultural areas. Please see maps and photographs of the project area in Appendices A and B.

Olio Road is functionally classified as a major collector. The typical cross-section of Olio Road is two 10-foot wide through travel lanes (one in each direction) and 0- to 2-foot-wide aggregate shoulders. The existing speed limit along Olio Road is 55 miles per hour.

Bridge #29-00170 carries Olio Road over Sand Creek. The concrete bridge was built in 1992 and is not considered historic. The INDOT Bridge Inspection Report dated September 16, 2021, identified hairline cracks on the midspan and headwall. The structure is 22 feet long with a deck width of 32.1 feet. The typical section on the bridge consists of two 11-foot travel lanes (one in each direction).

The need for the project stems from inadequate capacity for the projected vehicular demand along Olio Road between 146th and 156th Street. According to the *City of Noblesville Road Impact Fee, Zone Improvement Plan* developed in December 2020, this segment of Olio Road will experience capacity issues within the next 10 years. Capacity of a roadway is commonly reported as a level of service (LOS) from A to F, with LOS A being the best performing (free flow with >92% minimum speed of 45 mph) and LOS F being the worst performing (breakdown flow with 1.0-67% minimum speed of 35 mph). The City of Noblesville has established a minimum acceptable LOS of D for intersections and E for roadway segments. This portion of Olio Road is currently operating at an LOS B in the AM and PM peak hour. Development of the area is anticipated to decrease the LOS from a B to an F in the next 10 years.

A secondary need is due to the insufficient geometric design for a major collector roadway. Presently, Olio Road between 146th Street and 156th Street, which is partially within the urban area boundary of Noblesville, consists of two 10-foot-wide travel lanes with 2-foot-wide aggregate shoulders. Additionally, the Indianapolis Metropolitan Planning Organization (IMPO) Traffic Count Map for this section of Olio Road estimated in 2019 an average annual daily traffic (AADT) volume of 5,253. Given these parameters, and per Figure 53-8 of the Indiana Design Manual, the desired geometric design for a collector is 12-foot-wide lanes (11-foot-wide minimum) with an 8-foot-wide paved shoulder or 2-foot-wide curb. This section of Olio Road fails to meet the minimum geometric design requirements for this classification of a roadway.

The purpose of the project is to address the inadequate capacity within the Olio Road corridor between 146th Street and 156th Street and obtain a minimum acceptable LOS of E during the design year of 2045. In addition, the purpose of the project is to bring this section of Olio Road up to current geometric design standards for a major collector roadway.

It is proposed that the road will be widened from a two-lane road into a four-lane boulevard. The road will consist of four (4) 12-foot lanes with a 20-foot raised grass median. The roadway will have curb and gutter and two (2) 10-foot multi-use paths on each side of the road. The design speed of the new road will be 45 mph to match the existing posted speed limit. The bridge over Sand Creek will be replaced as part of the project as well. The proposed bridge will consist of four (4) 12-foot lanes with two (2) 2-foot shoulders and two (2) 10-foot multi-use paths. It is anticipated that the new bridge will be approximately 21-feet 8-inches long by 52-feet wide with an out-to-out coping of 75-feet. In addition, the intersection of 156th Street and Olio Road will be converted into a roundabout. It is anticipated that lighting will be installed at this intersection around the roundabout, though the amount of lighting and the location of the lighting is not currently known at this time. No lighting is planned for anywhere else within the project area. It is also anticipated that the utility poles on the west side of Olio Road will be moved within the right-of-way (ROW), though their exact locations are currently not known. The depth of excavation is anticipated to be around 18 feet for the construction of the bridge, 8 feet for the utility pole relocation work, and 18 inches for the curb and gutter work.

Since the distribution of the effects report on August 9, 2024, the right-of-way (ROW) has been further refined. It is anticipated that 16.84 acres of permanent and 10.11 acres of temporary ROW will be acquired along with 4.79 acres of a drainage easement.

The APE for this project encompasses all resources immediately adjacent to the project area and those that may not be immediately adjacent but that have a proximate viewshed of the project area. The project area encompasses the area required to support the purpose and need of the project. Due to the flat nature of the area, a 1000-foot buffer from the project area was used as the APE to encompass all proposed activities and their effects to adjacent properties. The Archaeological APE is defined as the 19.65-hectares survey area approximately 1.8 kilometers in length encompassing Olio Road and all intersections within the project limits, which was investigated for the presence of archaeological resources. Please see Appendix A, page 3 for a map of the aboveground APE.

2. EFFORTS TO IDENTIFY HISTORIC PROPERTIES

The NRHP, Indiana Register of Historic Sites and Structures (State Register), the State Historic Architectural and Archaeological Research Database (SHAARD), the Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBCM), and the Indiana Historic Sites and Structures Inventory (IHSSI) were consulted by Blad and Quigg prior to and following the field review. Hamilton County was surveyed between 1990 and 1991 for the IHSSI. The resulting *Hamilton County Interim Report* (1992) was also reviewed. No resources already listed in the NRHP were located within the APE. One previously surveyed resource that appears in the *Interim Report* is located within the APE: IHSSI #057-541-40032 (Wiseman Farm, Contributing). No cemeteries are located within the APE for this project.

The *Indiana Historic Bridge Inventory Volume 2: Listing of Historic and Non-Historic Bridges* (February 2009) by Mead & Hunt was reviewed. No bridges eligible for listing in the NRHP are located within the project area.

Early coordination was initiated with an email to consulting parties on November 10, 2022. The email asked consulting parties to review the early coordination letter attached to the email and via IN SCOPE, which is INDOT's Section 106 document website http://erms12c.indot.in.gov/Section106Documents/. A hard copy of these materials was mailed to the SHPO. The complete list of those who agreed to be consulting parties throughout the Section 106 process is shown in bold below and in Appendix C, pages 1-2.

- State Historic Preservation Officer
- Hamilton County Commissioners
- Hamilton County Highway Engineer
- Hamilton County Historian
- Hamilton County Historical Society
- Noblesville Preservation Alliance

- Indiana Landmarks, Central Regional Office
- Mayor of Noblesville
- Indianapolis Metropolitan Planning Organization
- Noblesville City Engineer
- Noblesville Common Council
- Hamilton County Council
- Paul & Nancy Radcliff
- Heritage LLP
- Delaware Nation of Oklahoma
- Delaware Tribe of Indians
- Eastern Shawnee Tribe of Oklahoma
- Miami Tribe of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians
- Shawnee Tribe

In an email dated November 12, 2022, the Delaware Tribe of Indians responded to the early coordination letter stating, "... we determined that there are no known religious or culturally significant sites within the selected project area. We have no objection to the proposed project." See Appendix D, pages 8-9 for a copy of this communication.

In a letter dated November 17, 2022, the Miami Tribe of Oklahoma responded to the early coordination letter stating that, "[t]he Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site." See Appendix D, page 10 for a copy of this communication.

In a letter dated December 8, 2022, the SHPO staff responded to the early coordination letter suggesting two additional consulting parties that they thought should be invited to participate including the Noblesville Common Council and the Hamilton County Council. In that same letter, the SHPO staff asked that property owners be invited as soon as possible if right-of-way is planned to be taken from adjacent historic properties. See Appendix D, pages 11-12 for a copy of this communication.

In a letter dated December 19, 2022, the Eastern Shawnee responded to the early coordination letter stating, "... the project proposes No Adverse Effect or endangerment to known sites of interest to the Eastern Shawnee Tribe." See Appendix D, page 13 for a copy of this communication.

An early coordination email was sent to the Noblesville Common Council and the Hamilton County Council on December 20, 2022. See Appendix D, pages 14-15 for a copy of this communication.

In an email dated December 20, 2022, Indiana Landmarks (Central Regional Office) accepted consulting party status for the proposed project. See Appendix D, pages 16-20 for a copy of this communication.

In a letter dated December 20, 2022, the Delaware Nation of Oklahoma responded to the early coordination letter stating, "... the proposed project should have no adverse effect on any known cultural or religious sites of interest to the Delaware Nation." See Appendix D, page 21 for a copy of this communication.

No additional responses were received from consulting parties in response to the early coordination materials.

Gary Francis Quigg, Lochmueller Group historian who meets the Secretary of the Interior's Professional Qualification Standards, performed a site inspection of the project area on December 20, 2022, and documented resources that will be at least 50 years of age at the time of the project letting within the APE. The APE was investigated for the existence of any historic properties, structures, objects, or districts listed in

or eligible for listing in the NRHP. The historians walked the APE, taking photographs of all resources meriting a Contributing or higher rating. Non-Contributing resources or those that did not meet the age requirements were noted but not documented other than in general view photographs. Within the APE is one (1) previously surveyed property that appears in the *Interim Report*. Four (4) newly identified aboveground resources were recorded within the APE. One (1) previously surveyed IHSSI property that is no longer extant was located within the APE.

An HPR, based on the results of the December 20, 2022, aboveground field survey, was completed (Blad, July 19, 2023) and provided boundaries for the two (2) recommended NRHP-eligible properties: Wiseman Farm (IHSSI #057-541-40032) and Hair-Whitaker Farm (Lochmueller #4). Please see Appendix E, pages 1-3, for a summary of the HPR.

A Phase Ia archaeological reconnaissance survey was conducted by Cultural Resource Analysts, Inc. (CRA) between December 5 and 8, 2022. The field reconnaissance yielded four (4) previously undocumented sites within or adjacent to the survey area: 12H1974-12H1977. All four (4) sites are historic scatters associated with structures appearing on historic maps. More specifically, Site 12H1974 dates to the twentieth century, Sites 12H1975 and 12H1976 date between the late nineteenth and twentieth centuries, and Site 12H1977 dates between the mid-nineteenth and early twentieth centuries. The portions of sites 12H1974, 12H1975, and 12H1977 within the survey area were recommended as not eligible for listing in the NRHP and no further work is recommended for those portions within the survey area. Portions of those sites outside the survey area have been marked "Environmentally Sensitive Area Do Not Disturb" on the plans. The small portion of Site 12H1976 where an anomalous shovel test occurred will be outside the construction limits for the undertaking and as such no ground disturbance will occur at that location. No ground disturbing activities will occur near that area and it has been marked on the plans as "Environmentally Sensitive Area Do Not Disturb." See Appendix E, pages 4-5 for a summary of the Phase Ia archaeological reconnaissance survey.

The HPR and Phase Ia were uploaded to IN SCOPE, and an email was sent to consulting parties notifying them of the availability of the reports online on July 19, 2023. Hard copies of these materials were also mailed to the SHPO and the property owners of the historic properties (Paul & Nancy Radcliff and Heritage LLP) that same day.

In a letter dated August 2, 2023, the Miami Tribe of Oklahoma responded to the HPR and Phase Ia archaeology report stating, "[t]he Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site." See Appendix D, page 28 for a copy of the communication.

In a letter dated August 21, 2023, the SHPO staff concurred with the conclusions in the HPR, noting that, "[t]he area of potential effects ("APE") proposed in the HPR appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature could occur." Concurrence from the SHPO staff was also provided in this letter for the Phase 1a archaeological investigation report. SHPO staff did ask that the survey area for Site 12H1976 be clearly marked on the plans so that the unsurveyed portion is avoided by all ground-disturbing activities. In addition, SHPO staff asked for additional clarification between conflicting wording used in the Phase Ia archaeology report and the distribution letter. They requested to know if Site 12H1976 will be avoided by all construction activities or if a certain depth of excavation will be allowed within its boundaries. See Appendix D, pages 29-31 for a copy of the communication.

In regard to the questions SHPO asked in their letter dated August 21, 2023, it should be noted that the report distribution letter that accompanied the HPR and Phase Ia archaeology report was incorrect in noting that, "For Site 12H1976 it is recommended that no work deeper than 17 cm below ground level occur or the area will require additional work." It should have stated that based on the recommendations made by CRA, that the majority of Site 12H1976 has a lack of research potential but that one small area at Site 12H1976 had an anomalous shovel test, which could represent an intact sub-plow zone feature, and it is recommended that that specific area of the site be avoided by ground disturbing activities that may go deeper than 17 centimeters (cm). In addition, that portion of the site is outside the construction limits for the project. No

ground disturbing activities will occur near that area and it has been marked on the plans as "Environmentally Sensitive Area Do Not Disturb."

In an email dated August 30, 2023, the Shawnee Tribe responded to the HPR and Phase Ia archaeology report stating that, "[t]he Shawnee Tribe's Tribal Historic Preservation Department concurs that no known historic properties will be negatively impacted by this project." See Appendix D, page 32 for a copy of the communication.

No additional comments were received from consulting parties regarding HPR or Phase Ia.

3. DESCRIBE AFFECTED HISTORIC PROPERTIES

Wiseman Farm (IHSSI #057-541-40032). The Wiseman Farm consists of a c. 1920 Bungalow/Craftsman style dwelling, a c. 1920 well house, a c. 1920 gambrel barn, a c. 1920 front gabled barn, and a new chicken house built in the late 1990s on a c. 1920 foundation. The Wiseman Farm also retains additional Contributing features that support the property's significance within the local agricultural context during the period of significance. Within the barn lot (a former livestock grazing area/feed lot), west of the two barns, a c. 1920 formed concrete water trough stands next to the concrete foundation of the windmill that once filled it. A small orchard (mature apple trees) grows in the southeast part of the parcel. The fence line surrounding the tillable acreage west of the barn lot is galvanized mild steel woven wire with alternating wood posts and steel T-posts consistent with fencing commonly available from the 1920s through the 1940s. The Wiseman Farm is recommended eligible for listing in the NRHP under Criterion A for its association with local agricultural history and under Criterion C for its architectural merit.

Hair-Whitaker Farm (Lochmueller #4). The Hair-Whitaker Farm is composed of a collection of preserved agricultural outbuildings from the twentieth century, with only two structures on the property not built c. 1920. In total, there are six (6) structures on the Hair-Whitaker Farm property, and all are Contributing to the historical significance of the farm. The farmhouse on the property is a c. 1920 cross-gabled farmhouse that sits on a concrete block foundation. The farm also contains a c. 1920 shed, a c. 1920 gable barn, a c. 1920 gambrel barn, a c. 1950 pole barn, and a c. 1930 WPA style outhouse. The Hair-Whitaker Farm is recommended eligible for the NRHP under Criterion A for its significance to local agricultural history and under Criterion C for architectural merit.

4. DESCRIBE THE UNDERTAKING'S EFFECT ON HISTORIC PROPERTIES

Wiseman Farm (IHSSI #057-541-40032) – No Adverse Effect

The proposed undertaking will encroach upon the recommended NRHP boundary of the Wiseman Farm. Within the recommended NRHP boundary for the historic property, a portion of the drive (approximately 21 feet) leading to the farmhouse from Olio Road will be reconstructed. Approximately 0.01 acre of temporary ROW will be needed from the recommended NRHP boundary for this work. In addition to the drive reconstruction, the eastern portion of the NRHP boundary (along Olio Road) will be graded for the construction of a sidewalk. As noted above, a 10-foot-wide multi-use path will be constructed along the project area. No portion of the multi-use path will be built within the recommended NRHP boundary, but grading for the sidewalk will take place within the recommended NRHP boundary. No lighting will be installed adjacent to or in front of the Wiseman Farm next to the multi-use path. Finally, three (3) utility poles are currently located within the recommended NRHP boundary. It is anticipated that the utility poles will need to be moved within the proposed ROW, though their exact locations are not known at this time. Approximately 0.09 acre of permanent ROW will be needed from the recommended NRHP boundary for this work. As for the fence, which is a contributing feature, no proposed work is anticipated to impact the fence line.

In addition to the work occurring within the NRHP recommended boundary for the property, work occurring outside the boundary will also be visible from the historic property. The existing roadway profile, two-lanes with 0- to 2-foot-wide aggregate shoulders will be expanded into a four-lane boulevard with a 20-foot raised

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grass median. Additional proposed work includes curb and gutter work and the construction of two (2) 10-foot multi-use paths on each side of the road. Due to the proposed work, additional drainage work including a large basin will be constructed on the east side of the expanded Olio Road. It is assumed that the roundabout and the construction of the new bridge over Sand Creek will not be visible from the recommended NRHP boundary due to the distance and other residential properties between the intersection and the historic property. See Appendix F, page 5-6 for plans showing the proposed work within and adjacent to the recommended boundary of the Wiseman Farm.

The project will have "No Adverse Effect" to this resource because the proposed changes will not alter the Wiseman Farm in a manner that would diminish its historic integrity or its eligibility for listing in the NRHP. Please see Appendix A, page 4 for a map of the historic property and Appendix B, page 8-21 for photographs of this resource.

Hair-Whitaker Farm (Lochmueller #4) - No Adverse Effect

The proposed undertaking will not encroach upon the recommended NRHP boundary of the Hair-Whitaker Farm. No work will take place within or adjacent to the recommended NRHP boundary. It is anticipated that design work for the undertaking (i.e., the construction of a roundabout and the associated lighting, road widening, and HMA overlay) will take place approximately 650 feet south of the recommended NRHP boundary for this historic property.

The project will have "No Adverse Effect" to this resource because the proposed changes will not alter the Hair-Whitaker Farm in a manner that would diminish its historic integrity or its eligibility for listing in the NRHP. Please see the APE map in Appendix A, page 3 for an aerial view of how far the work will be from the historic property, Appendix A, page 5 for a map of the historic property, Appendix B, page 25-30 for photographs of this resource.

5. EXPLAIN APPLICATION OF CRITERIA OF ADVERSE EFFECT – INCLUDE CONDITIONS OR FUTURE ACTIONS TO AVOID, MINIMIZE OR MITIGATE ADVERSE EFFECTS

According to 36 CFR 800.5(a)(1), "an adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association."

Examples of an Adverse Effect:

Per 36 CFR 800.5(a)(2)(i), the undertaking will result in the "Physical destruction of or damage to all or part of the property."

Per 36 CFR 800.5(a)2(ii), the undertaking will cause "Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties and/or other applicable guidelines."

Per 36 CFR 800.5(a)2(iii), the undertaking will result in the "Removal of the property from its historic location."

Per 36 CFR 800.5(a)2(iv), the undertaking will result in a "Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance."

Per 36 CFR 800.5(a)2(v), the undertaking will cause the "Introduction of visual, atmospheric or audible elements that diminish the integrity of the property's significant historic features."

Per 36 CFR 800.5(a)2(vi), the undertaking will result in the "Neglect of a property which causes its deterioration..."

Per 36 CFR 800.5(a)2(vii), the undertaking will cause the "Transfer, lease, or sale of property out of Federal ownership or control..."

The following discusses potential effects to Wiseman Farm (IHSSI #057-541-40032) and Hair-Whitaker Farm (Lochmueller #4). Please see maps and photographs of these resources in Appendices A and B.

Wiseman Farm (IHSSI #057-541-40032) – According to 36 CFR 800.5(a)(1) the criteria of adverse effect do not apply. The undertaking will alter the existing setting within the property beyond its present condition, but it will only alter a small portion and not in such a way as to diminish the property's historic integrity or its eligibility for listing in the NRHP.

Per 800.5(a)(2)(i), the undertaking will not result in the "Physical destruction of or damage to all or part of the property." The project will reconstruct the existing drive of the historic property and grading will take place for the construction of a sidewalk, which will be outside the recommended NRHP boundary. Temporary and permanent ROW will be acquired from within the recommended NRHP boundary for the proposed work, but this work will not diminish the historic integrity of the property or its eligibility for listing in the NRHP.

Per 36 CFR 800.5(a)2(ii), the undertaking will not cause "Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties and/or other applicable guidelines." The project will reconstruct the existing drive of the historic property and grading will take place for the construction of a multi-use path, which will be outside the recommended NRHP boundary. Temporary and permanent ROW will be acquired from within the recommended NRHP boundary. Additional work outside the recommended NRHP boundary includes the construction of four lanes with a central grassy median and a multi-use path on the east side of the new road, but this work will not diminish the historic integrity of the property or its eligibility for listing in the NRHP. None of the structures associated with the historic property will be affected by this undertaking. The road will be widened to the east side of the property, the road will not be moved closer to the property, and the wide median will partially maintain the existing look of the road with two lanes still adjacent to the property.

Per 36 CFR 800.5(a)2(iii), the undertaking will not result in the "Removal of the property from its historic location." No portion of the property will be removed from its historic location.

Per 36 CFR 800.5(a)2(iv), the undertaking will not result in a "Change of the character of the property's use or of physical features within the property setting that contribute to its historic significance." The project will reconstruct the existing drive of the historic property and grading will take place for the construction of a sidewalk, which will be outside the recommended NRHP boundary. Temporary and permanent ROW will be acquired from within the recommended NRHP boundary for the proposed work, but this work will not diminish the historic integrity of the property or its eligibility for listing in the NRHP.

Per 36 CFR 800.5(a)2(v), the undertaking will not cause the "Introduction of visual, atmospheric or audible elements that diminish the integrity of the property's significant historic features." Outside the recommended NRHP boundary, the roadway will be reconstructed changing the existing two-lane road into four lanes with a central grassy median. Multi-use paths will be constructed on both sides of the widened road. The road will be widened to the east side of the property, away from the property, and the wide raised grass median will partially maintain the existing look of the road with two lanes still adjacent to the property. In addition, a drainage detention pond will be constructed on the east side of Olio Road. It is assumed that this detention pond will be visible from the historic property, and it is assumed that during heavy rain events water will be visible in the detention pond. Sand Creek is located on the west and north ends of the historic property boundary and as such standing water has been part of the view of the farm since it was built. Though the detention pond will introduce water in a new location from the historic property boundary, it will not be a

constant feature. A noise report has been prepared for this undertaking; it was noted in the report that there will be a slight noise level reduction at this property by 2045 from the reported 2022 level, likely because the road is shifting to the east away from the property.

Per 36 CFR 800.5(a)2(vi), the undertaking will not cause the "Neglect of a property which causes its deterioration..."

Per 36 CFR 800.5(a)2(vii), the undertaking will not cause the "Transfer, lease, or sale of property out of Federal ownership or control..." Ownership of the historic resource will not change as a result of this project.

Hair-Whitaker Farm (Lochmueller #4) – According to 36 CFR 800.5(a)(1) the criteria of adverse effect do not apply. The undertaking will not alter the existing setting within the recommended NRHP boundary beyond its present condition.

Per 800.5(a)(2)(i), the undertaking will not result in the "Physical destruction of or damage to all or part of the property." No proposed work will take place within the recommended NRHP boundary.

Per 36 CFR 800.5(a)2(ii), the undertaking will not cause "Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties and/or other applicable guidelines." No proposed work will take place within the recommended NRHP boundary.

Per 36 CFR 800.5(a)2(iii), the undertaking will not result in the "Removal of the property from its historic location." No portion of the property will be removed from its historic location.

Per 36 CFR 800.5(a)2(iv), the undertaking will not result in a "Change of the character of the property's use or of physical features within the property setting that contribute to its historic significance." No proposed work will take place within the recommended NRHP boundary.

Per 36 CFR 800.5(a)2(v), the undertaking will not cause the "Introduction of visual, atmospheric or audible elements that diminish the integrity of the property's significant historic features." Generally, what is visible from the historic property will remain the same following the completion of the undertaking. Approximately 650 feet south of the southern edge of the recommended NRHP boundary, design work for the undertaking will occur (i.e., construction of a roundabout and the associated lighting, road widening, and HMA overlay). Some of these elements may be distantly visible, but, other than the new lighting, may not be clearly distinguishable from the existing modern intersection. This property was not included in the noise report prepared for this undertaking due to its location too far north from the project area.

Per 36 CFR 800.5(a)2(vi), the undertaking will not cause the "Neglect of a property which causes its deterioration..."

Per 36 CFR 800.5(a)2(vii), the undertaking will not cause the "Transfer, lease, or sale of property out of Federal ownership or control..." Ownership of the historic resource will not change as a result of this project.

6. SUMMARY OF CONSULTING PARTIES AND PUBLIC VIEWS

The following is a summary of the comments of the consulting parties following the distribution of the early coordination materials and HPR/Phase Ia (November 2022 through August 2023). These comments have been previously presented in detail above in "Section 2. Efforts to Identify Historic Properties" and the correspondence may be viewed in Appendix D, pages 1-32:

November 10, 2022: Early coordination materials sent to consulting parties.

- November 12, 2022: Delaware Tribe of Indians accepted consulting party status and provided no objection to the project.
- November 17, 2022: Miami Tribe of Oklahoma accepted consulting party status and provided no objection to the project at this time.
- December 8, 2022: A letter from the SHPO suggesting two additional consulting parties that they
 thought should be invited to participate including the Noblesville Common Council and the Hamilton
 County Council. In addition, they noted that if ROW is to be taken from the historic properties their
 owners should be invited as soon as possible.
- December 19, 2022: Eastern Shawnee Tribe of Oklahoma accepted consulting party status and provided a finding of No Adverse Effect.
- December 20, 2022: Early coordination letters were sent to the Noblesville Common Council and the Hamilton County Council.
- December 20, 2022: Indiana Landmarks (Central Regional Office) accepted consulting party status.
- December 20, 2022: Delaware Nation of Oklahoma accepted consulting party status and provided a finding of No Adverse Effect.
- July 19, 2023: A HPR (Blad, July 19, 2023) and a Phase Ia (Travis, May 5, 2023) were sent to consulting parties for their review.
- August 2, 2023: Maimi Tribe of Oklahoma provided no objection to the project at this time.
- August 21, 2023: A letter from the SHPO staff concurred with the conclusions in the HPR.
 Concurrence from the SHPO staff was also provided in this letter regarding the Phase 1a
 archaeological field reconnaissance survey report. SHPO asked that the archaeology Site 12H1976
 be marked on plans so that the unsurveyed portions are avoided by construction activities. In
 addition, the SHPO asked for clarification regarding Site 12H1976 and the discrepancies between the
 report distribution letter and the Phase Ia report.
- August 30, 2023: Shawnee Tribe provided a finding of No Historic Properties Affected.

Revisions to certain design elements resulted in portions of the proposed road design to exceed the survey area used in the preparation of the Archaeology Report. As such, an Addendum Archaeology Report was prepared. The new proposed design did not exceed the APE for this undertaking and so no additional aboveground reconnaissance was needed. CRA conducted additional fieldwork on November 8, 2023, and no archaeological resources were located during the addendum investigation. See Appendix E, pages 6-8 for a summary of the Addendum Phase Ia archaeological reconnaissance survey.

An Effects Report noting the current findings for the overall project and for each historic property was prepared (Blad, August 9, 2024). The Effects Report and Addendum Phase Ia Report (Rusche and Kelley, August 5, 2024) were uploaded to IN SCOPE and sent to consulting parties on August 9, 2024. See Appendix E, page 9-11 for a summary of the Effects Report.

In a letter dated August 28, 2024, the Miami Tribe of Oklahoma responded to the Effects Report and Phase Ia Addendum stating that, "[t]he Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site." See Appendix D, page 39 for a copy of this communication.

In an email dated October 9, 2024, the Shawnee Tribe responded to the Effects Report and Phase Ia Addendum stating in part, "[t]he Shawnee Tribe's Tribal Historic Preservation Department concurs that no known historic properties will be negatively impacted by this project." See Appendix D, pages 40-41 for a copy of the correspondence.

In a letter dated October 9, 2024, the SHPO staff responded to the Effects Report and Phase Ia Addendum. SHPO staff concurred with the findings of the effects report but stated that, " ... we request that if lighting becomes a part of this project, or future projects, that our office be provided with this updated information as this may add to the visual impacts of the project on the Wiseman Farm (IHSSI #057-541-40032)." In addition to their comments on the effects report, the SHPO staff reviewed and approved the Phase Ia Addendum. See Appendix D, pages 42-43 for a copy of the correspondence.

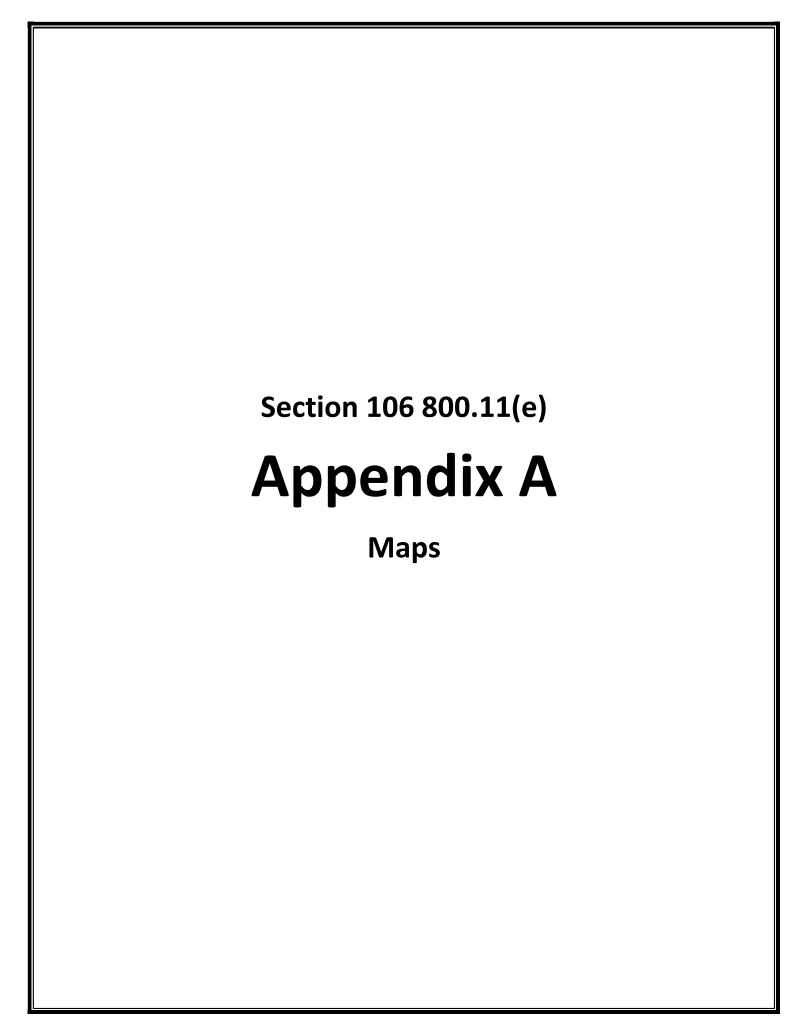
No other consulting party comments were received following the distribution of the Effects Report and Addendum Phase Ia report.

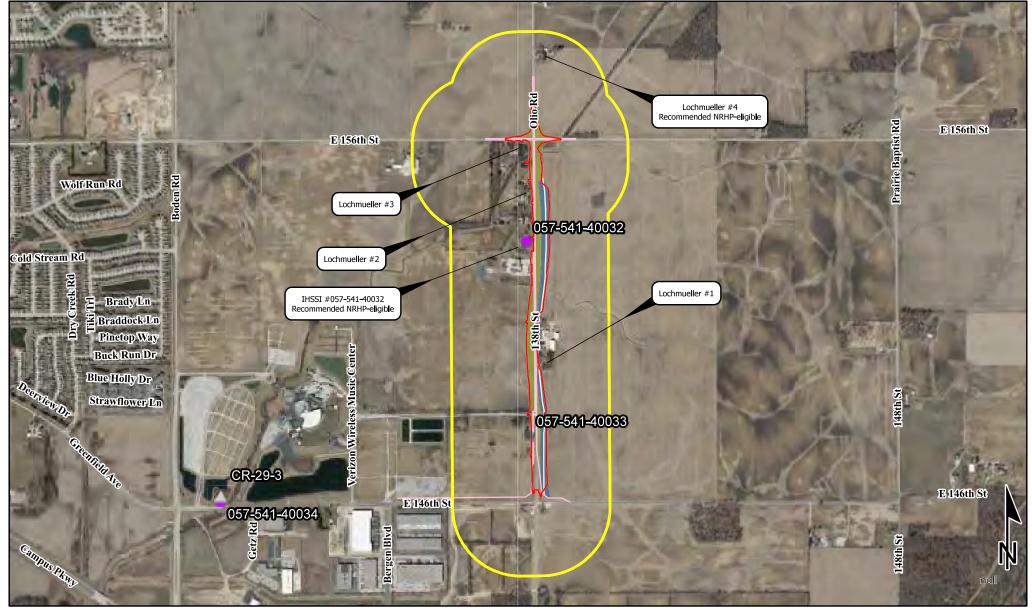
A public notice will be published in the *Hamilton County Reporter* newspaper seeking the views of the public regarding the effects of the proposed project on the historic elements within the APE. Comments from the public will be accepted for 30 days following the publication of the notice. If any substantive comments are received during this period, this document will be revised to include them.

APPENDICES

- A Maps
- B General Photographs
- C Consulting Parties List
- D Consulting Parties Correspondence
- E Historic Property Report Summary, Phase la Archaeological Report Summaries & Effects Report Summary
- F Preliminary Field Check Plans

13





Sources: 1,000 500 0 1,000

Non Orthophotography

Data - Obtained from the State of Indiana Geographical
Information Office Library

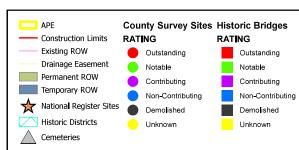
<u>Orthophotography</u> - Obtained from Indiana Map Framework Data (www.indianamap.org)

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.

Des. No. 2101733
Road Widening Project
Olio Road from 146th Street to 156th Street
Fall Creek and Wayne Townships, Hamilton County, Indiana

Area of Potential Effects Map





Sources: 100 50 0 100
Non Orthophotography
Data - Obtained from the State of Indiana Geographical

Information Office Library

<u>Orthophotography</u> - Obtained from Indiana Map Framework Data

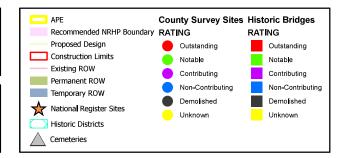
(www.indianamap.org)

Map Projection: UTM Zone 16 N Map Datum: NAD83

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Des. No. 2101733
Road Widening Project
Olio Road from 146th Street to 156th Street
Fall Creek and Wayne Townships, Hamilton County, Indiana

Recommended NRHP Boundary Map Wiseman Farm (IHSSI #057-541-40032)





Sources: 100 50 0 100

Non Orthophotography
Data - Obtained from the State of Indiana Geographical

Information Office Library

Orthophotography - Obtained from Indiana Map Framework Data

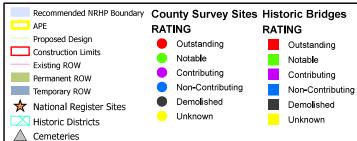
(www.indianamap.org)

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.

Des. No. 2101733
Road Widening Project
Olio Road from 146th Street to 156th Street
Fall Creek and Wayne Townships, Hamilton County, Indiana

Recommended NRHP Boundary Map Hair-Whitaker Farm (Lochmueller #4)



Des. No. 2101733 Appendix D: Section 106 D18