

**Categorical Exclusion**  
**Appendix H**  
**Air Quality**

**Federal Transit  
Administration**  
Region V  
200 West Adams St., Suite 320  
Chicago, IL 60606-5253



**U.S. Department  
of Transportation**

**Federal Highway Administration**  
Indiana Division  
575 N. Pennsylvania St., Rm 254  
Indianapolis, IN 46204-1576

September 1, 2023

Mr. Michael Smith  
Commissioner  
Indiana Department of Transportation  
100 N Senate Ave. N955  
Indianapolis, IN 46204

**SUBJECT: Indiana FY2024-2028 STIP Approval and Associated Federal Planning Finding**

Dear Mr. Smith:

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have completed our review of the FY2024-2028 Indiana Statewide Transportation Improvement Program (INSTIP), which was submitted by the Indiana Department of Transportation (INDOT) request letter dated August 23, 2023.

Based on our review of the information provided, certifications of the Statewide and Metropolitan transportation planning processes for and within the state of Indiana, and our participation in those transportation planning processes (including planning certification reviews conducted in Transportation Management Areas), FHWA and FTA are jointly approving the FY2024-2028 STIP, including the Metropolitan Planning Organization (MPO) Transportation Improvement Programs (TIPs) incorporated into the STIP by reference, subject to the corrective actions identified in the attached Federal Planning Finding (FPF) report. FHWA and FTA consider the projects in the 5<sup>th</sup> year for informational purposes only, and our approval does not exceed four years per 23 CFR 450.220(c).

FHWA and FTA are required under 23 CFR 450.220(b) to document and issue an FPF in conjunction with the approval of the FY2024-2028 STIP. At a minimum, the FPF verifies that the development of the STIP is consistent with the provisions of both the Statewide and Metropolitan transportation planning requirements. FHWA and FTA find that the Indiana FY2024-2028 STIP substantially meets the transportation planning requirements and are approving the STIP subject to the corrective actions outlined in the FPF. This approval is effective September 1, 2023 and is given with the understanding that an eligibility determination of individual projects for funding must be met, and INDOT must ensure the satisfaction of all administrative and statutory requirements, as well as address the corrective actions outlined in the attached report.

If you have questions or need additional information concerning our approval and the FPF, please contact Ms. Erica Tait of the FHWA Indiana Division at (317) 226-7481, or by email at [erica.tait@dot.gov](mailto:erica.tait@dot.gov), or Mr. Tony Greep of the FTA Region 5 Office at (312) 353-1646, or by email at [anthony.greep@dot.gov](mailto:anthony.greep@dot.gov).

Sincerely,

**KELLEY  
BROOKINS** Digitally signed by  
KELLEY BROOKINS  
Date: 2023.08.31  
17:33:15 -05'00'

Kelley Brookins  
Regional Administrator  
FTA Region V

Sincerely,

**JERMAINE  
R HANNON** Digitally signed by  
JERMAINE R HANNON  
Date: 2023.09.01  
11:46:31 -04'00'

Jermaine R. Hannon  
Division Administrator  
FHWA Indiana Division

Indiana Department of Transportation (INDOT)  
 State Preservation and Local Initiated Projects FY 2024 - 2028

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	DISTRICT	MILES	FEDERAL CATEGORY	Total Cost of Project*	PROGRAM	PHASE	FEDERAL	MATCH	2024	2025	2026	2027	2028	
Indiana Department of Transportation	45056 / 2300694	A 02	I 74	Access Control	Crawfordsville	.22	NHPP	\$1,186,281.00	Mobility ROW	RW	\$960,876.00	\$106,764.00			\$1,067,640.00			
									Mobility Consulting	PE	\$12,159.00	\$1,351.00	\$13,510.00					
Performance Measure Impacted: Reliability and Freight Reliability																		
Location: I-74 at SR 25																		
Comments: Add new project PE FY 24 RW FY 25 and construction in FY 28 for illustrative purposes. No MPO involved. AQC n/a																		
Indiana Department of Transportation	45057 / 2300695	A 02	I 74	Access Control	Crawfordsville	.2	NHPP	\$997,057.00	Mobility Construction	CN	\$109,509.30	\$12,167.70					\$121,677.00	
									Mobility ROW	RW	\$773,712.00	\$85,968.00			\$859,680.00			
									Mobility Consulting	PE	\$14,130.00	\$1,570.00	\$15,700.00					
Performance Measure Impacted: Reliability and Freight Reliability																		
Location: I-74 at US 231																		
Comments: Add new project PE FY 24 RW FY 26 and CN FY 28 for illustrative purposes only. No MPO involved. AQC n/a																		
Indiana Department of Transportation	45207 / 2301089	A 02	US 231	Bike/Pedestrian Facilities	Crawfordsville	.797	NHPP	\$384,171.00	Safety ROW	RW	\$102,400.00	\$25,600.00			\$128,000.00			
									Safety Construction	CN	\$184,136.80	\$46,034.20					\$230,171.00	
									Safety Consulting	PE	\$20,800.00	\$5,200.00	\$26,000.00					
Performance Measure Impacted: Safety																		
Location: From 5.1 mi S of SR 28 to 4.27 mi S of SR 28 (Linden)																		
Comments: Add new project PE FY 24, RW FY 26 and CN illustrative purposes only. No MPO. AQC n/a																		
Montgomery County	45423 / 2301604	A 04	IR 4960	Intersect. Improv. W/ Added Turn Lanes	Crawfordsville	.508	STBG	\$37,925,215.00	Group IV Program	CN	\$32,072,400.00	\$0.00		\$32,072,400.00				
									Local Funds	CN	\$0.00	\$4,009,050.00		\$4,009,050.00				
Performance Measure Impacted: Safety																		
Location: Intersection of Nucor Road at US 136 and Nucor Road																		
Comments: Include DES 2301680 and 2301681. Add CN.																		
Montgomery County	45423 / 2301604	A 08	IR 4960	Intersect. Improv. W/ Added Turn Lanes	Crawfordsville	.508	STBG	\$21,889,015.00	Group IV Program	CN	\$16,036,200.00	\$0.00					\$16,036,200.00	
									Local Funds	CN	\$0.00	\$4,009,050.00				\$4,009,050.00		
Performance Measure Impacted: Safety																		
Location: Intersection of Nucor Road at US 136 and Nucor Road																		

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

**Categorical Exclusion**  
**Appendix I**  
**Additional Studies**

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

ProjectNumber	SubProjectCode	County	Property
1800133	1800133	Montgomery	Lincoln Activity Area (Lincoln Recreation Center)
1800161	1800161E	Montgomery	Shades State Park
1800171	1800171L	Montgomery	Shades State Park
1800211	1800211	Montgomery	Lake Waveland Park
1800308	1800308	Montgomery	Shades State Park
1800312	1800312N	Montgomery	Shades State Park
1800327	1800327I	Montgomery	Shades State Park
1800363	1800363BB	Montgomery	Shades State Park
1800405	1800405A	Montgomery	Calvert and Porter Woods
1800413	1800413R	Montgomery	Shades State Park
1800456	1800456	Montgomery	Shades State Park
1800480	1800480	Montgomery	Darlington Old School Park

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

# Culvert Inspection Report

**CV 231-054-181.26**

**US 231**

**over**



**Inspection Date:** 07/18/2022

**Inspected By:** Daniel W. Bewley

**Inspection Type(s):** Culvert

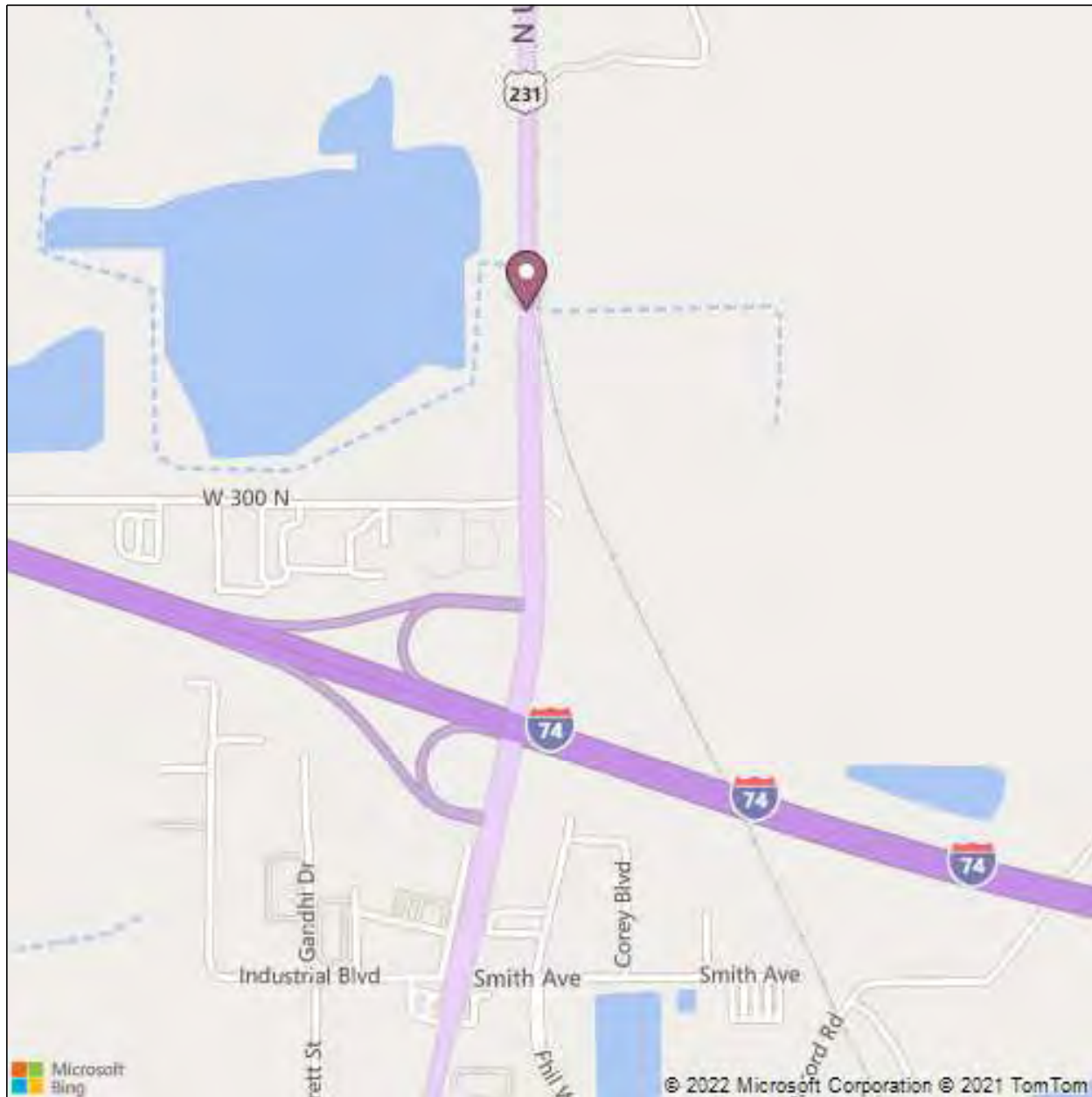
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Inspector: Daniel W. Bewley  
Inspection Date: 07/18/2022

Asset Name: CV 231-054-181.26  
Facility Carried: US 231

### Culvert Inspection Report



Latitude: 40.08586

Longitude: -86.90404

**Inspector:** Daniel W. Bewley

**Structure Number:** 93001319

**Inspection Date:** 07/18/2022

**Facility Carried:** US 231

### **Culvert Inspection Report**

#### **Executive Summary**

Culvert was new since last inspection. No obvious problems were noted during the 2022 inspection. Culvert has steel head & wingwalls on the East side and concrete head & wing walls on the West side. Pipe is steel & was field measured during the 2022 inspection. Riprap is on both ends of the culvert. Channel flows from East towards the West.

No work is recommended at this time.

#### **History**

- New structure in 2022 under Des# 1296238, Contract# R-40774

Structure Number: CV 231-054-181.26

Inspector: Bewley, Daniel W.

**Large Culvert Inspection Report**

(8) Asset Code:	93001319	(27) Year Built:	2022
Asset Name:	CV 231-054-181.26	(90) Inspection Date:	07/18/2022
OLD Culvert ID:	231-54-181.26	(91) Inspection Frequency:	48
Team Assignment:	01	<input type="checkbox"/> Additional Treatment Exists	

**Identification**

(2) Highway Agency District:	01	(3) County Code:	054
Sub District:	1200	Ramp ID:	
(42B) Type of Service (Under):	5	<input type="checkbox"/> Adjacent to Roadway	
(7) Facility Carried:	US 231	(6) Features Intersected:	
(9) Location:	00.46 N I-74	(9.01) Location Additional Description:	East side of culvert is just North of the crash attenuator on US 231. Culvert goes below RR track & US 231.
(11) Milepoint:	181.26	(16) Latitude:	40.08586
		(17) Longitude:	-86.90404
Classification:			
(104) Highway System of the Inventory Route:	1	(26) Functional Classification of Inventory Route:	02

**Geometric Data**

Culvert: Kind of Material:	3. Steel	Culvert: Type of Structure:	3. Pipe	Min Est Fill Cover (ft):	5.00
Culvert: Max. Horizontal Opening (ft.):	7.00	Culvert: Max. Vertical Opening (ft.):	7.00	(34) Skew:	0
Barrel Length (ft.):	172.00	Original Culvert Shape:	Round		

Measurement Remarks: Field measured by Dan Bewley 7/18/2022

Structure Additional Description: 7' Steel Pipe under Railroad & US 231

**Openings:**

Direction	Opening Latitude	Opening Longitude	Direction	Opening Latitude	Opening Longitude
1.			3.		
2.			4.		

Openings Comments:

**Follow Up Required:**

\*\*If checked, please describe for follow up:

**Endangered Species**

Bats: seen or heard under structure? *	N - No evidence of bats
Birds/swallows/nests seen? Empty nests present?	N - No Birds and/or Nests Visi

\* If yes, add one photo to the dropdown field

Inspector: Bewley, Daniel W.      Structure Number: 93001319  
Inspection Date: 07/18/2022      Facility Carried: US 231

Culvert Inspection Report  
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**General Condition Ratings**

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(36A) Bridge Railings:	N	(36C) Approach Guardrail:	1
(36B) Transitions:	N	(36D) Approach Guardrail Ends:	1

**Culvert:**

(62) Culvert - Rating: 8

(62) Culvert Rating Comments: *New since last inspection. No obvious concerns.*

**Deck:**

(58) Deck: N

(58a) Deck Comments:

**Superstructure:**

(59) Superstructure: N

(59.01) Superstructure Comments:

**Substructure:**

(60) Substructure: 8

(60.01) Substructure Comments: *Steel wing & head wall on East end. Concrete wing & head wall on West side. No obvious concerns.*

CV-Headwall/Anchor Rating 8

CV-Wingwalls Rating 8

**Channel:**

(61) Channel and Channel Protection: 8

(61.01) Channel and Channel Protection Comments: *The water flows is from the east to the west. Riprap in place at both ends. No obvious concerns.*

Bank Erosion Rating: 8

Drift/Sediment Rating: 8

Channel Alignment Rating: 8

Check this box if culvert has OBSTRUCTED flow

Describe Obstruction:

Overtopping Frequency: 2

Overtopping Frequency

Inspector: Bewley, Daniel W.      Structure Number: 93001319  
Inspection Date: 07/18/2022      Facility Carried: US 231

Culvert Inspection Report  
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Comments:

Inspector: Daniel W. Bewley  
Inspection Date: 07/18/2022

Structure Number: 93001319  
Facility Carried: US 231

### Culvert Inspection Report

#### Pictures



PHOTO 1 Condition  
Description Road alignment looking North & pavement condition above culvert



PHOTO 2 Condition  
Description Road alignment looking South & pavement condition above culvert

Culvert Inspection Report

Pictures



PHOTO 3 Elevation, Condition  
Description Profile looking West



PHOTO 4 Elevation, Condition  
Description Profile looking East

Inspector: Daniel W. Bewley  
Inspection Date: 07/18/2022

Structure Number: 93001319  
Facility Carried: US 231

### Culvert Inspection Report

#### Pictures



PHOTO 5 Condition  
Description Looking West through culvert



PHOTO 6 Condition  
Description Channel alignment on East side of road

Inspector: Daniel W. Bewley  
Inspection Date: 07/18/2022

Structure Number: 93001319  
Facility Carried: US 231

### Culvert Inspection Report

## Pictures



PHOTO 7 Condition  
Description Upstream alignment or looking East



PHOTO 8 Condition  
Description Downstream channel flows parallel with 231 on West side of road

Inspector: Daniel W. Bewley  
Inspection Date: 07/18/2022

Structure Number: 93001319  
Facility Carried: US 231

### Culvert Inspection Report

### Pictures



PHOTO 9 Condition  
Description Median drain grate between US 231 & RR

# Preliminary Engineering Assessment (EA) Report

**I-74 at US 231**

**Recommended Treatment: Access Management**

**Date of Site Visit: 11/04/2022**

**Tracking or DES Number: 2300695**

Mobility Project

Proposed Fiscal Year: 2028

Score of Recommended Treatment: Not Scored

Crawfordsville District

Crawfordsville Sub-District

Montgomery County, Indiana

Prepared by:

Taylor Ruble

Traffic Mobility Engineer

INDOT, Corridor Development Office

8/8/23

**Prepared for the Indiana Department of Transportation**  
Corridor Development Office





## Analysis and Alternatives

### Description of Alternatives

Alternative 1 - Directed Alternative— Purchase Limited Access Right of Way (LARW) along US 231 near the interchange with I-74 in the northeast quadrant from where it currently ends for an approximate additional 895’, and in the northwest quadrant from where it currently ends for an approximate additional 895’. A gap in LARW should be provided at CR 300 N. ~~Remove~~ the drive in the northeast quadrant ~~and replace with grass~~. Install LARW Fence for entire length of LARW. (See attached sketch)

Install a gate across

Alternative 2 – No Build. The No build option was considered for this project. However, this alternative does not address the future operational and safety concerns at the interchange terminal intersections. This option is not beneficial to the motoring public.

### Comparison of Alternatives

This engineering assessment report will be using the directed alternative method. The directed alternative is to purchase LARW and to remove all drives within the affected area.

### Cost Estimates (In 2023 Dollars)

**Table 9: Cost Estimate Summary**

Alternative	Funding Category	Estimated Cost
Alternative 1 - LARW	CN	\$108,620
	PE	\$15,700
	Utility	\$0
	RoW	\$859,680
	<b>Total Cost</b>	<b>\$984,000</b>
Alternative 2 No Build	CN	\$0
	PE	\$0
	Utility	\$0
	RoW	\$0
	<b>Total Cost</b>	<b>\$0</b>

Complete and detailed cost estimates for all considered alternatives are included in the attachments of this report.

The Right of Way costs may end up being lower than is shown.

### Capacity Analysis

Capacity analysis was not performed as a part of this project.



# Montgomery County

## ADA Self-Evaluation

### Transition Plan

Lori Dossett  
ADA/Title VI Coordinator  
County of Montgomery, Indiana  
Updated October, 2023

### **New or Reconstruction of Existing Facility**

New or reconstruction projects will include sidewalks, drives and ADA ramps in conformance with current design standards. Where practical, this will include full intersection ADA ramps where projects only involve a single approach.

### **Maintenance or Repair**

As maintenance and/or repair work is done to existing facilities, all replacement work will meet current ADA standards.

## **IX. Public Right-of-Way**

County Roads - This assessment of ADA compliance for County Roads in Montgomery County is based on the 2011 Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG), published by the United States Access Board. The PROWAG document has not been adopted or approved, but it is recognized as a best practice and has been recommended for use by the Federal Highway Administration (FHWA). Compliance or non-compliance as noted herein is in reference to PROWAG, presuming it is the standard by which we should be measured. Montgomery County does not endorse or dispute the validity of PROWAG.

Montgomery County has approximately 850 miles of County Roads including Indiana Department of Transportation (INDOT) intersections. Improvements to any associated pedestrian signals, ramps and crosswalks will be evaluated on a case by case basis as any adjacent or targeted improvements are considered, or as recommendations or complaints are received. It has been and continues to be a priority for the County to improve accessibility for pedestrians through the expansion of an accessible sidewalk network. The County has replaced sidewalk and curb ramps in an attempt to make the County more traversable for all of its citizens and visitors. Additionally, Montgomery County requires that all new developments and site expansions or improvements include accessible facilities in the public rights-of-way; reviews all transportation capital projects for pedestrian access and compliance with the current ADA design standards and guidelines; considers constructing new and/or replacing non-compliant existing curb ramps adjacent to road reconstruction, overlay or improvement projects; and replaces deteriorated and noncompliant sidewalks as budget allows.

**Curb Ramps** – The County recently completed an inventory of curb ramps. The County has determined that currently there are no existing curb ramps located in the unincorporated areas of Montgomery County.

**Sidewalks** – In the Right-of-Way, the County completed an inventory of sidewalks. The County has determined that currently there are no existing sidewalks located in the unincorporated areas of Montgomery County.

**New Construction or Reconstruction of Existing Private Facility** – All permits for new construction and reconstruction of sidewalk, drives or intersection corners will be reviewed and required to be in compliance with current ADA standards.

# CITY OF CRAWFORDSVILLE ADA TRANSITION PLAN



Adopted 2013



**VS ENGINEERING, INC.**

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vse@vsengineering.com  
Phone: (317) 293-3542

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