



FY18-21



TRANSPORTATION IMPROVEMENT PROGRAM

FY 2018-2021

TRANSPORTATION

IMPROVEMENT PROGRAM

MAY 2017

Michiana Area Council of Governments
227 W. Jefferson Blvd.
County-City Building, Room 1120
South Bend, IN 46601

ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

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MPO PLANNING PROCESS CERTIFICATION

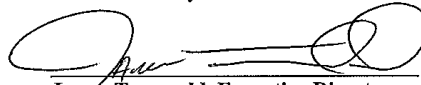
In accordance with 23 CFR 450.334, the Indiana Department of Transportation and the Michiana Area Council of Governments (MACOG), the Metropolitan Planning Organization for the South Bend and Elkhart/Goshen Urbanized Areas, hereby certify that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

1. 23 U.S.C. 134, 49 U.S.C. 5303; and 23 CFR part 450.300;
2. Section 174 and 176 (c) and (d) of the Clean Air Act, as amended [42 U.S.C. 7504, 7506 (c) and (d)] of 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. FAST Act (Public Law No. 114-94) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
6. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37 and 38;
8. The Older American Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Michiana Area Council of Governments
Metropolitan Planning Organization



Mark Root
St. Joseph County Council
MACOG Policy Board Treasurer



James Turnwald, Executive Director

Date: 05 / 11 / 2016

Indiana Department of Transportation
State Department of Transportation

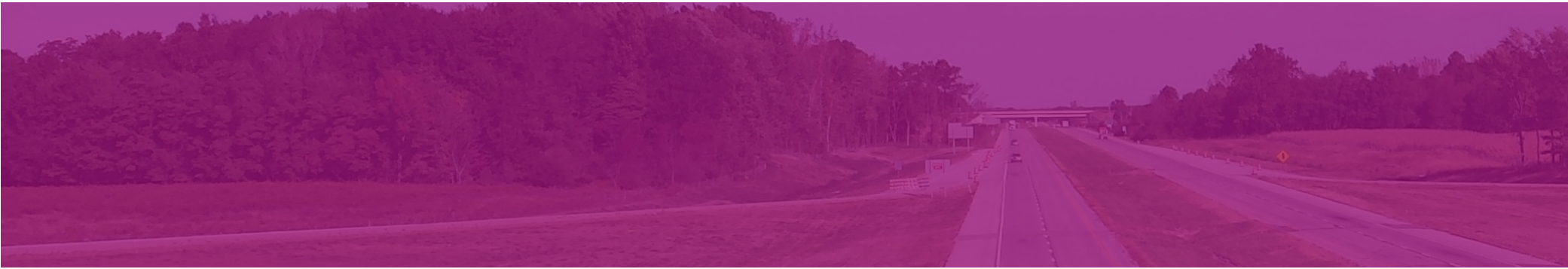


Roy Nunnally
Division Director

Date: 6 / 16 / 2016

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An aerial photograph of a roundabout with a blue car driving on the left side of the road. The roundabout has a central island with greenery and a white chevron pattern. The surrounding area is green with trees and grass.

INTRODUCTION

1

Purpose of the Plan

The Transportation Improvement Program (TIP) is a federally required, short-range plan that provides information regarding the schedule of multimodal transportation projects that are federally funded or deemed regionally significant in the MACOG region. These projects can include investments to highways, safety improvements, public transit, bicycle and pedestrian facilities, and planning studies that will be funded through Fiscal Year (FY) 2021 with local, state and federal funding. Development of a TIP is a requirement as defined by the current highway bill, Fixing America's Surface Transportation Act (FAST Act).

As required by the FAST Act legislation, the TIP is fiscally constrained. In other words, funding estimates from the Indiana Department of Transportation (INDOT) are estimated for each of the four counties listed in the TIP. Anticipated project costs may not exceed the estimated funds available through 2021. Both state and local federal aid projects are listed in the Fiscal Year 2018-2021 TIP. MACOG develops the TIP in cooperation with INDOT, regional transit providers, member jurisdictions, and the public. Projects are listed at the end of this document by County or District for your ease in reviewing the listing.

The TIP:

- Covers a four year period
- Is updated every two years by the MPO
- Programs only the amount of funding that can be reasonably anticipated, the plan is fiscally constrained
- Conforms to the requirements of the Clean Air Act
- Reviewed and approved by the Transportation Technical Advisory Committee (TTAC) and Policy Board
- Included in the State Transportation Improvement Program (STIP) by reference without change
- Can be amended or modified monthly to adjust for changes in scope, cost, or time frame

MPO Background

A Metropolitan Planning Organization (MPO) is a transportation policy-making body made up of representatives from local government and transportation agencies with authority and responsibility in metropolitan planning areas. Federal legislation passed in the early 1970s required the formation of an MPO for any urbanized area with a population greater than 50,000 residents. MPOs were created in order to ensure that existing and future expenditures for transportation projects and programs were based on a continuing, cooperative and comprehensive planning process. Federal funding for transportation projects and programs is channeled through the MPO.

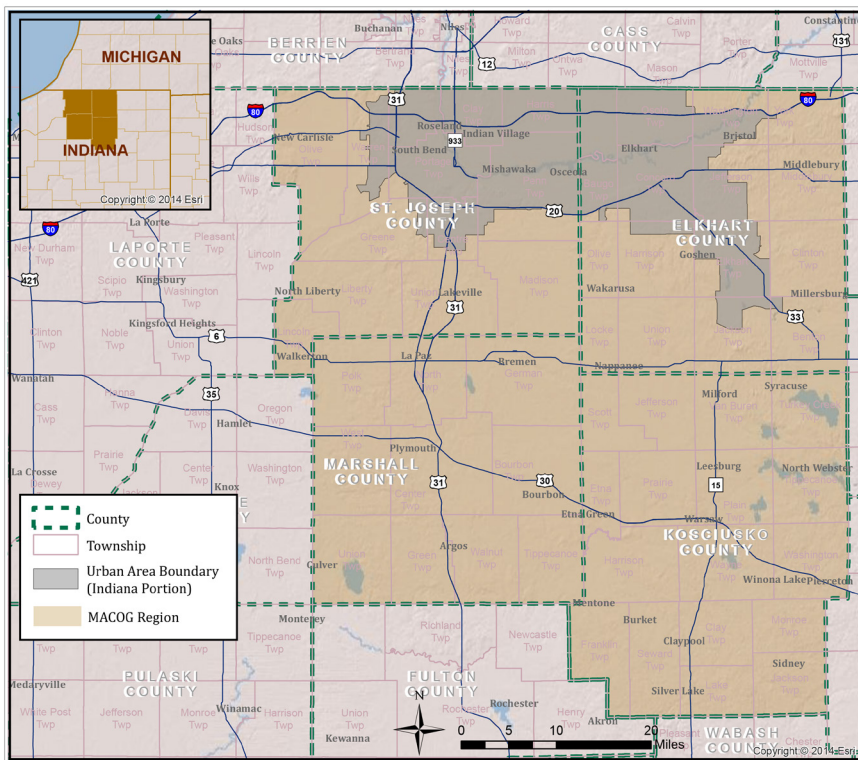
The Michiana Area Council of Governments (MACOG) is a regional organization serving Elkhart, Kosciusko, Marshall, and St. Joseph Counties in Indiana. MACOG was originally organized under the 1964 Amendments to the Inter-local Cooperation Act of the Indiana General Assembly, Section 53-1101 to 53-1107 and the Urban Cooperation Act No. 7, Michigan Public Acts of 1967. Bylaws were adopted by the organization on December 2, 1970.

TRANSPORTATION IMPROVEMENT PROGRAM

MACOG serves as a forum for regional discussion and cooperation. MACOG, as a regional organization, is the U.S. DOT designated Metropolitan Planning Organization (MPO) for the region's urban counties of Elkhart and St. Joseph and a Rural Planning Organization (RPO) for the region's rural counties of Kosciusko and Marshall. In addition, MACOG operates the Interurban Trolley, a public fixed-route transit service in Elkhart and Goshen; serves as the designated Economic Development District by the United States Economic Development Administration; and staffs the St. Joseph River Basin Commission representing seven Indiana counties.

MACOG is governed by a Policy Board and Transportation Technical Advisory Committee that provides guidance and assistance to MACOG in its regional planning activities.

Figure 1-1: MACOG Planning Area



MACOG Policy Board

Policy Board is the body responsible for policy formulation, project guidance, and administrative coordination of all policy relating to the development of the transportation plan and its implementation within the Michiana region. Official action taken by the MACOG must be approved by the Policy Board.

The Policy Board includes elected officials representing the cities and counties within the planning area. A list of the current Policy Board members is included in the acknowledgments.

Transportation Technical Advisory Committee

The Transportation Technical Advisory Committee (TTAC) is comprised of planners, engineers, and other professional staff from various departments representing the local public agencies in the planning area. The TTAC serves as the advisory group to the MACOG Policy Board. The MACOG staff works closely with TTAC members on project development, planning and oversight. A list of current members is listed in the acknowledgments.

Planning Area

The MACOG planning area consists of the federally designated urbanized areas of Elkhart and St. Joseph Counties. MACOG also serves as a rural planning organization to Kosciusko and Marshall Counties. The 4-county region contains an estimated 592,876 people (2015 American Community Survey 5-year Estimates), covers 1,921 square miles, and includes 35 cities and towns (Figure 1-1).

MACOG is unique in the sense it is an MPO representing two urbanized areas (the South Bend Urbanized Area and the Elkhart/Goshen Urbanized Area). In addition to the two urban areas, a portion of the South Bend Urbanized Area extends into Michigan around the City of Niles. MACOG coordinates with the Southwest Michigan Planning Commission (SWMPC) for planning in the Niles

area.

Partner Relationships

MACOG has current Memorandums of Understanding with its various partners including but not limited to;

- Bi-State Agreement – Transportation Planning Cooperative Memorandum of Agreement By and Between MACOG and the SWMPC – July 2011
- Memorandum of Agreement By and Between MACOG, IN-DOT, SBPTC, Interurban Trolley – June 2015
- Memorandum of Agreement Regarding FTA Section 5309 Projects By and Between MACOG, SBPTC, NICTD, City of Niles – July 2011
- Memorandum of Understanding By and Between MACOG, SWMPC, City of Niles, SBPTC – July 2011

MACOG has several Memorandums of Understanding with its MPO counterpart in Michigan (Southwest Michigan Plan Commission). The Bi-State agreement is in place to address any unresolved policy issues concerning the Indiana or Michigan MPOs (MACOG and SWMPC). This agreement was updated in 2011, which essentially agreed to leave the Bi-State process in place. This committee meets only when issues before it require action to be taken. The Executive Director of MACOG is also the Executive Director of the Bi-State Coordinating Committee, as established by the agreement, which originally created the Committee. The Michiana Area Council of Governments is also the office the Bi-State Commission Office of Record.

MACOG staff attends the Niles Area Transportation Study (NATS) meetings and participates in their highway and transit plans. Staff members from the two bodies work together to assure that the Niles Dial-A-Ride and the South Bend PTC (Transpo) equitably agree to Federal Transit Administration funding allocations.

Legislation

Transportation Improvement Programs for MPOs – 23 U.S.C. § 134 (j)(1)(a)

“In cooperation with the State and any affected public transportation operator, the metropolitan planning organization designated for a metropolitan area shall develop a transportation improvement program for the metropolitan planning area that—

- (i) contains projects consistent with the current metropolitan transportation plan;
- (ii) reflects the investment priorities established in the current metropolitan transportation plan; and
- (iii) once implemented, is designed to make progress toward achieving the performance targets established under subsection (h)(2).”

Transportation Improvement Programs for TMAs – 23 U.S.C. § 134 (k)(2)

“In a transportation management area, transportation plans shall be based on a continuing and comprehensive transportation planning process carried out by the metropolitan planning organization in cooperation with the State and public transportation operators.”

Designation of Regional Transportation Planning Organizations – 23 U.S.C. § 135 (m)(1)

“To carry out the transportation planning process required by this section, a State may establish and designate regional transportation planning organizations to enhance the planning, coordination, and implementation of statewide strategic long-range transportation plans and transportation improvement programs, with an emphasis on addressing the needs of non-metropolitan areas of the State.”

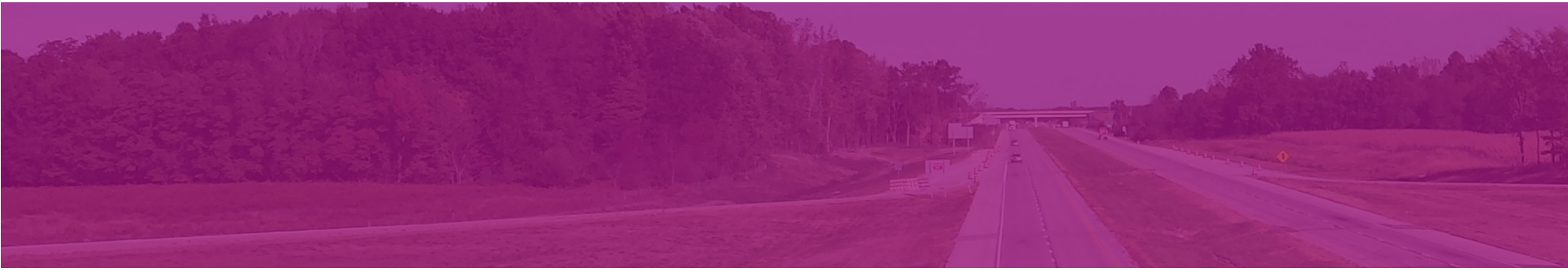
Transportation Improvement Programs for Transit – 49 U.S.C. § 5303

“(c)(1)...in cooperation with the State and public transportation operators, shall develop long-range transportation plans and transportation improvement programs for metropolitan planning areas of the State. (2) Contents. - The plans and TIPs for each metropolitan area shall provide for the development and integrated management and operation of transportation systems and facilities (including accessible pedestrian walkways and bicycle transportation facilities) that will function as an intermodal transportation system for the metropolitan planning area and as an integral part of an intermodal transportation system for the State and the United States. (3) Process of development. - The process for developing the plans and TIPs shall provide for consideration of all modes of transportation and shall be continuing, cooperative, and comprehensive to the degree appropriate, based on the complexity of the transportation problems to be addressed...

(i)(6)(A). Each metropolitan planning organization shall provide citizens, affected public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with a reasonable opportunity to comment on the transportation plan.”

Transportation Improvement Programs Regulations – CFR § 450.324

“The MPO, in cooperation with the State(s) and any affected public transportation operator(s), shall develop a TIP for the metropolitan planning area. The TIP shall cover a period of no less than four years, be updated at least every four years, and be approved by the MPO and the Governor. However, if the TIP covers more than four years, the FHWA and the FTA will consider the projects in the additional years as informational...”



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An aerial photograph of a modern roundabout. A blue car is visible on the left side of the roundabout. The road has white dashed lines and red and white striped markings at the entry points. There are green landscaped areas in the center and between the entry points. The background shows a line of trees and a grassy area.

PLANNING PROCESS

2

Development Process

Outlined below are the basic steps in the process of developing the FY 2018-2021 Transportation Improvement Program (TIP).

1. MACOG initiates a call for projects to local public agencies (LPAs) each year. LPAs are asked to update their current projects and/or submit new projects and provide cost estimates yearly projected through the life of the project, which indicates the federal and local cost shares required annually.
 - a. Each individual LPA prepares cost estimates of projects by phase. The approximate cost of each project is estimated according to current and historical cost trends in the study area.
 - b. The amount of federal, state, and local funds that are available for highway and transit improvements during the TIP period will be based on estimates developed from information provided to the MPO by INDOT, FHWA, and local sources. The source of state, federal, and local funds, dedicated to each funding category sheet is listed next to each project.
2. MACOG receives and reviews project submittals for project update costs first, typically within its 30% annual increase maximum. New projects submitted for funding are reviewed and identified for funding. Each project is reviewed based on its individual components and merits.
3. Projects are identified for funding over a four year period and balanced against the amount of funding available. All projects recommended for funding are reviewed by the TTAC and Policy Board prior to final inclusion in the TIP.
 - a. Projects that add vehicle capacity must also be considered in an Air Quality Conformity Analysis. The projects are reviewed to ensure that all projects programmed in the TIP, come from the conforming Metropolitan Transportation Plan.
 - b. The projects listed in the TIP are scheduled to be implemented from July 1, 2017 to June 30, 2021.
 - c. All projects have been reviewed to ensure that the projects come from a conforming Transportation Plan.
4. MACOG holds a public comment period following its approved Public Involvement Participation Process. During this public comment period, MACOG will host an open house or other public meeting to allow for time for the public to meet with MACOG staff to discuss specific project concerns. The TIP is also available for review on the MACOG website (www.macog.com) and at local public libraries.
5. After all public comments have been received, each is addressed and presented to the TTAC and Policy Board for consideration and ultimate approval of the TIP.
6. Amendments and administrative modifications to the TIP are made regularly throughout the year. As funding priorities may change or project costs may increase or decrease, resolutions

may be processed. These TIP amendments and administrative modifications are processed by the MACOG staff and presented to the TTAC and Policy Board at monthly meetings, which are open to the public. All resolutions can be found on the MACOG website at www.macog.com.

Public Participation

The MACOG staff began its FY 2018-2021 TIP process by meeting with the TTAC and Policy Board in October 2016. In November, local jurisdictions were asked to submit updated costs for projects and also submit any new projects they might have. All meetings of the TTAC and Policy Board are open to the public.

A public comment period was held, from March 27, 2017 to April 26, 2017 to allow time for public review of the TIP. An Open House was held at the MACOG office on April 20, 2017 from 10 AM to 7 PM, to provide the public and other agencies with an opportunity to review the TIP and the corresponding conformity analysis. As indicated in MACOG's Public Participation and Involvement Plan, the TTAC and Policy Board act as additional public opportunities for comment on the TIP. Over 200 persons and organizations received individual email notices to participate in the public comment and to attend the Open House. Meetings were advertised in local newspapers and press releases or agendas and meeting notices were sent to all the news media resources, local organizations, chambers, planning and environmental agencies, engineers, technical staff, transit operators, airport managers and developers. The public comment period and Open House were advertised in area newspapers through legal ads or press releases.

The FY 2018-2021 TIP and its corresponding conformity analysis and public comments will be provided to the MACOG Policy Board on May 10, 2017 for their review and endorsement.

Red Flag Investigations

All transportation projects have the potential to impact the surrounding environment. In an effort to better plan for potential impacts, it is essential to identify environmental considerations throughout all phases of planning and design. Projects using state or federal funds are required to undergo environmental study and permitting due to the establishment of the National Environmental Policy Act (NEPA) and other federal, state and local regulations. The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) act as lead federal agencies, and are responsible for implementing the NEPA process and working with state and local project sponsors during transportation project development. The FHWA and FTA NEPA process is designed to assist transportation officials in making project decisions that balance engineering and transportation needs with the consideration of social, economic, and environmental factors.

Red Flag Investigations (RFIs) are one way to support the NEPA process during a project's early stage development. This investigation is a preliminary environmental analysis that identifies potential impacts to Infrastructure, Mining/Mineral Exploration, Hazardous Material Concerns, Water Resources, and Historical Resources within a half mile radius of a proposed project area. The results from this analysis are incorporated into project planning, design, and construction with the goal of minimizing impacts to local resources. Projects advancing to construction will require additional studies with detailed design, to more clearly describe project features. This process enables environmental impacts and appropriate mitigation measures to be established.

During the development of the TIP, MACOG utilizes RFIs to make better informed project selection decisions. The following Red Flag Investigation Table lists new projects in the 2018-2021 TIP that were added during the Call for Projects issued in 2015 and 2016 and during what stage the RFI was completed.

Red Flag Investigations (RFI)					
DES	Location	Work Type	RFI Completed for Long Range Plan	RFI Completed During Project Development	RFI Completed for 2018-2021 TIP
Elkhart County					
1700309	Bridge 152 on Mishawaka Road over Yellow Creek	Bridge Replacement			X
1700310	CR 17 Multi-Use Path: From US 33 to CR 45	Bike/Pedestrian Facilities			X
Marshall County					
1600931	Bridge No. 73 carrying King Rd over Yellow River	Bridge Replacement			X
North Liberty					
1592436	Potato Creek Trail	Bike/Pedestrian Facilities		X	
Plymouth					
1600926	Hoham Drive starting at North Michigan St to 400' west of Western Ave	Road Reconstruction			X
South Bend					
1600074	Corby Blvd/ Ironwood Dr/ Rockne Dr	Intersection Improvement		X	
1600075	Monroe Primary Center and Studebaker Elementary School - SRTS	Bike/Pedestrian Facilities		X	
1600076	LaSalle Intermediate Academy & Marquette Primary Montessori - SRTS	Bike/Pedestrian Facilities		X	
Winona Lake					
1600788	Intersection of Argonne Rd, Winona Ave, Kings Highway, and Park Ave	Intersection Improvement, Roundabout	X		

Performance-Based Planning

The FAST Act continues MAP-21's emphasis on performance based transportation system that make State Departments of Transportation (DOTs), MPOs, and local road agencies more accountable for the development and maintenance of the federally funded transportation system. This supports decision-making at all levels of government by using performance data to achieve desired goals and objectives. FAST Act outlines seven (7) national goals in which states and MPO's will need to invest resources in projects to achieve:

- **Safety** -To achieve a significant reduction in traffic fatalities and serious injuries on all public roads
- **Infrastructure Condition** -To maintain the highway infrastructure asset system in a state of good repair
- **Congestion Reduction** -To achieve a significant reduction in congestion on the National Highway System
- **System Reliability** -To improve the efficiency of the surface transportation system
- **Freight Movement and Economic Vitality** -To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development
- **Environmental Sustainability** -To enhance the performance of the transportation system while protecting and enhancing the natural environment
- **Reduced Project Delivery Delays** -To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices

The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) issued new transportation planning rules on the statewide and metropolitan transportation planning processes to reflect the use of a performance based approach to decision-making in support of the national goals. These processes must document in writing how the Metropolitan Planning Organizations (MPOs), Indiana Department of Transportation (INDOT) and providers of public transportation shall jointly agree to cooperatively develop and share information related to transportation performance data, the selection of performance targets, the reporting of performance to be used in tracking progress toward attainment of critical outcomes for the region of the MPO (see 23 CFR 450.306(d)) and the collection of data for the INDOT asset management plan for the National Highway System specified in in 23 CFR 450.314(h).

FTA has performance measures for Transit Asset Management, and final regulations are published and in effect. FHWA has performance measures and final regulations published for Safety, Bridge and Pavement Conditions, Congestion Reduction and System Reliability, but only the Safety Performance Measure regulation is in effect at this time.

INDOT along with the MPOs and FHWA will continue to collaborate to identify Performance Targets for each Performance Measure. Once Performance Targets are established, the Transportation Improvement Program (TIP) and Statewide Transportation Improvement Program (STIP) will be modified to reflect this information.

For FHWA and FTA to approve any TIP amendments after May 27, 2018, the INDOT, MPOs and Public Transit Operators must reflect this information and describe how projects in the TIP/STIP, to the maximum extent practicable, achieve the Federally required performance targets identified in the Statewide and Metropolitan Transportation Plans, linking investment priorities to these performance targets.

Safety

The INDOT, the MPOs, FHWA, and Indiana Criminal Justice Institute (ICJI) are actively discussing and collaborating on the Safety Performance Measures and Safety Performance Targets. INDOT will submit their Safety Performance Measures by August 31, 2017, and the MPOs will have until February 27, 2018 to follow INDOT's submission to either support the INDOT Safety Targets or set independent targets. The Highway Safety Improvement Program (HSIP) is a primary source of federal funds for qualifying safety improvement projects. HSIP along with other funding sources are used to implement safety improvements with the purpose to reduce roadway crashes, and a corresponding reduction in fatalities and serious injuries on all public roads. The five specific safety performance measures are:

- Number of fatalities
- Rate of fatalities
- Number of serious injuries
- Rate of serious injuries
- Number of non-motorized fatalities and non-motorized serious injuries

If FHWA makes effective the rules they have published for assessing pavement and bridge condition for the National Highway Performance Program and performance of the National Highway System (NHS), freight movement on the Interstate System and Congestion Mitigation and Air Quality (CMAQ) improvement program, INDOT and the MPOs will have to establish performance targets for these measures, too.

Pavement and Bridge

The pavement and bridge condition performance measures are applicable to the Interstate and non-Interstate Highways that comprise the National Highway System (NHS). The NHS includes the Interstate Highway System as well as other roads important to the nation's economy, defense, and mobility. The measures are focused

on the condition of pavement and bridges, including ramps utilized to access the system. There are four measures to assess pavement condition and two measures for assessing bridge condition.

Pavement Performance Measures

- Percentage of pavements of the Interstate System in Good condition
- Percentage of pavements of the Interstate System in Poor condition
- Percentage of pavements of the non-Interstate NHS in Good condition
- Percentage of pavements of the non-interstate NHS in Poor condition

Bridge Performance Measures

- Percentage of NHS bridges classified as in Good condition
- Percentage of NHS bridges classified as in Poor condition

The INDOT, the MPO and FHWA will collectively develop targets for the pavement and bridge performance measures. The National Highway Performance Program is a core Federal-aid highway program that provides financial support to improve the condition and performance of the NHS, and the construction of new NHS facilities. INDOT utilizes these funds for maintenance activities on the NHS.

System Performance

The system performance measures are also applicable to the Interstate and non-Interstate NHS. These performance measures assess system reliability and freight movement, and establish several measures for on-road mobile source emissions consistent with the Congestion Mitigation and Air Quality (CMAQ) Program. There are two measures for assessing reliability, one measure to assess freight movement, and three measures for the CMAQ program.

Reliability Performance Measures

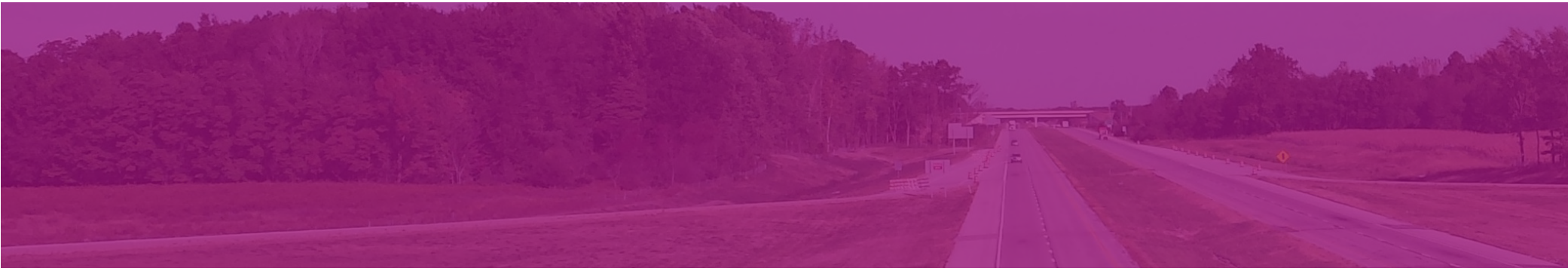
- Percent of the Person-Miles Traveled on the Interstate System That Are Reliable
- Percent of Person-Miles Traveled on the Non-Interstate NHS That Are Reliable

Freight Movement Performance Measure

- Truck Travel Time Reliability (TTTR) Index

CMAQ Measures

- Annual Hours of Peak-Hour Excessive Delay Per Capita Percent of Non-SOV Travel
- Percent Change in Tailpipe CO2 Emissions on the NHS Compared to the Calendar Year 2017 Level
- Total Emissions Reductions



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An aerial photograph of a modern roundabout with multiple lanes. A blue car is visible on the left side of the roundabout. The road has white dashed lines and red-paved crosswalks. There are green landscaped areas in the center and between the lanes. The background shows a grassy field and some trees.

ENVIRONMENTAL JUSTICE

3

Federal Requirements

Federal Law requires MACOG to ensure that individuals not be excluded from participating in, denied the benefits of, or be subjected to discrimination under any program or activity receiving federal funding on the basis of race, color or national origin. Federal law also requires that MACOG identifies and addresses areas of disproportionately high adverse human health or environmental effects of its programs, policies and activities on minority and low-income populations.

The U.S. Department of Transportation defines the following three principles as fundamental to environmental justice:

- Avoid, minimize, or mitigate disproportionately high and adverse human health and environmental effects, including social and economic effects, on minority populations and low-income populations.
- Ensure the full and fair participation by all potentially affected communities in the transportation decision-making process.
- Prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority and low-income populations.

MACOG completes a Title VI Update for the entire Transportation Management Area. Transit services in Elkhart and St. Joseph Counties have been evaluated in terms of environmental justice, in accordance with Federal Transit Agency (FTA) guidelines. This means that areas served by transit routes are reviewed by census tract to observe the service extended to minority and low-income areas. Ideally, the level of service in these areas should be comparable to that extended to non-minority and higher income areas. Additionally, MACOG completes a region wide Title VI evaluation every three years. The current Title VI was updated and endorsed by the MACOG Policy Board on September 10, 2014, and subsequently approved by Federal Transit Administration.

South Bend PTC operates Transpo in the Cities of South Bend and Mishawaka in St. Joseph County. MACOG operates the Interurban Trolley in the Elkhart-Goshen Urbanized Area. The majority of the minority, low-income census tracts and block groups are concentrated in the traditional urban centers of South Bend, Elkhart, Mishawaka, and Goshen. Both transit companies provide service to nearly all the identified minority and low income census tracts and block groups in each urbanized area.

Indicators of Potential Disadvantage

In order to best accomplish the federal requirements of Environmental Justice (EJ), expanding the list to include additional population groups – minorities, low-income, carless households, persons with physical disabilities, seniors, Hispanic, and Limited English Proficiency (LEP) – may have specific planning-related issues or challenges. MACOG modeled its EJ process from the Delaware Valley Regional Planning Commission (DVRPC) in Philadelphia. They specified the above population groups as “Indicators of Potential Disadvantage (IPD).”

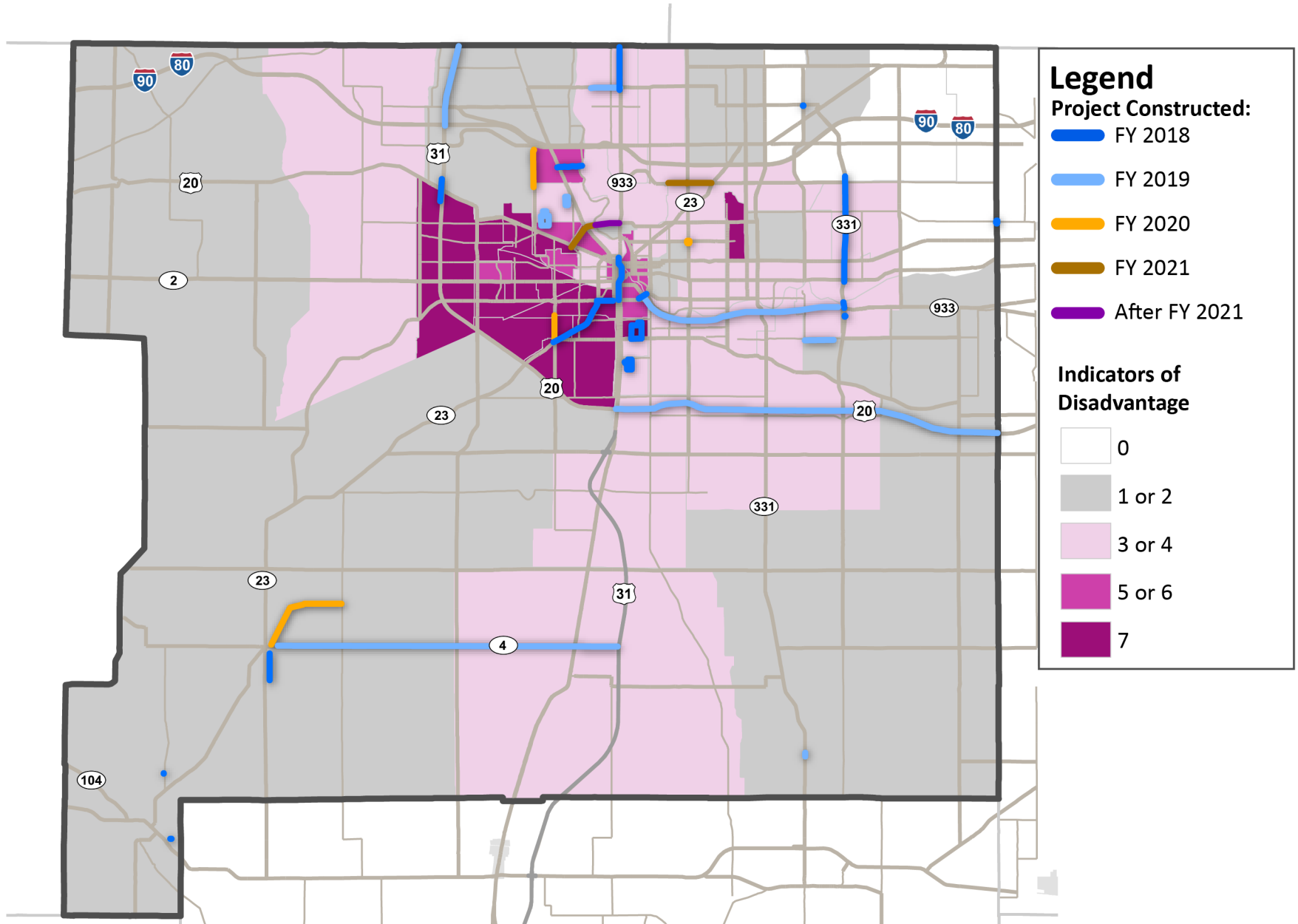
Using the American Community Survey (ACS) five-year estimates data set from the U.S. Census, population groups are identified and

TRANSPORTATION IMPROVEMENT PROGRAM

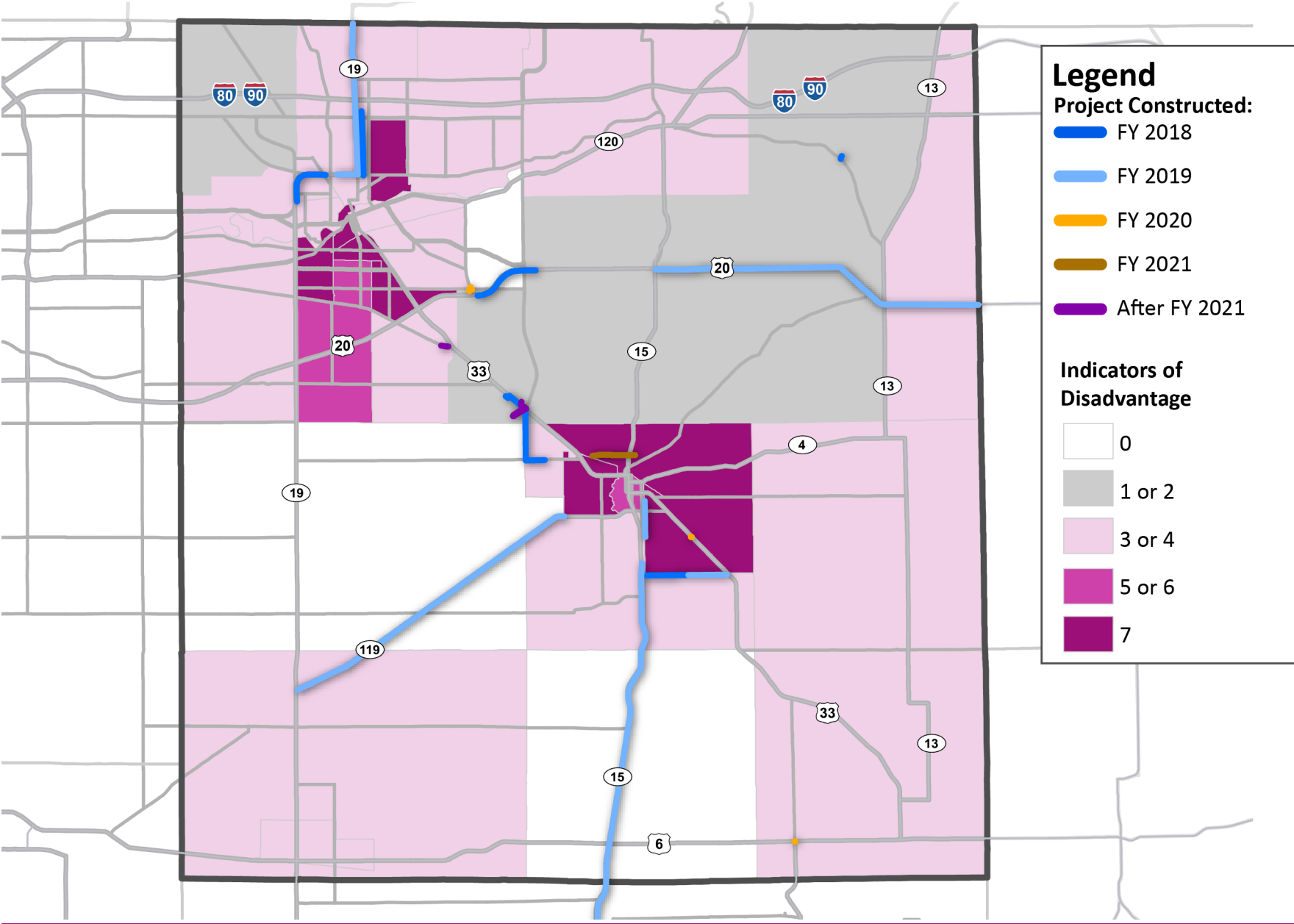
located at the census tract level. Data is gathered at the regional level, combining populations from each of the four counties, to determine the regional average for that population group. Any census tract that meets or exceeds the regional average level, or threshold for that population group, is considered an EJ-sensitive tract for that group. Each sensitive groups that exceeds the regional threshold within a census track is counted as one IPD.

MACOG has developed visual tools to analyze the impact of its various transportation projects from the Transportation Improvement Plan. The maps are shown on subsequent pages. A full report of the Environmental Justice population analysis with maps and figures will be available on MACOG's website.

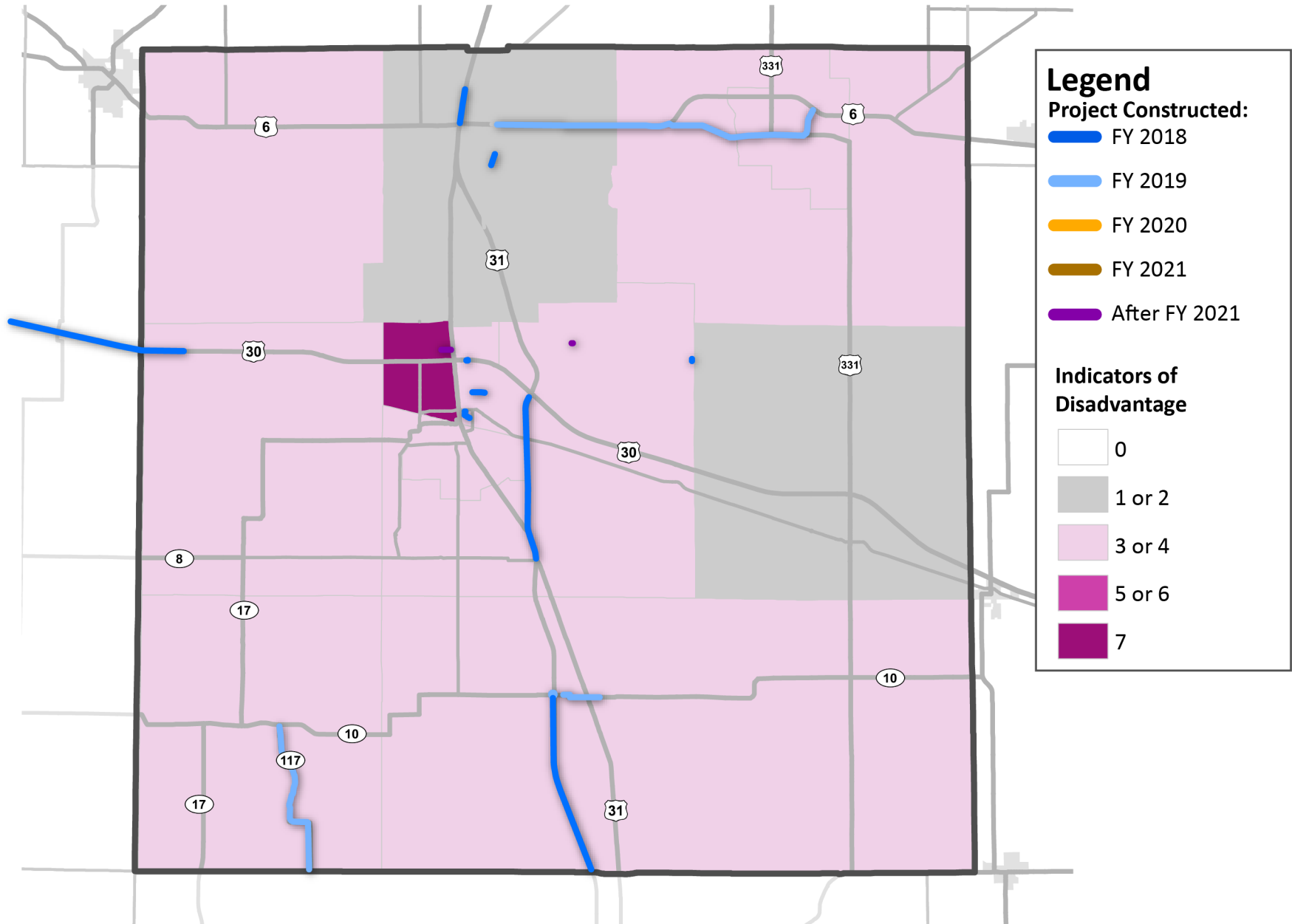
St. Joseph County Environmental Justice



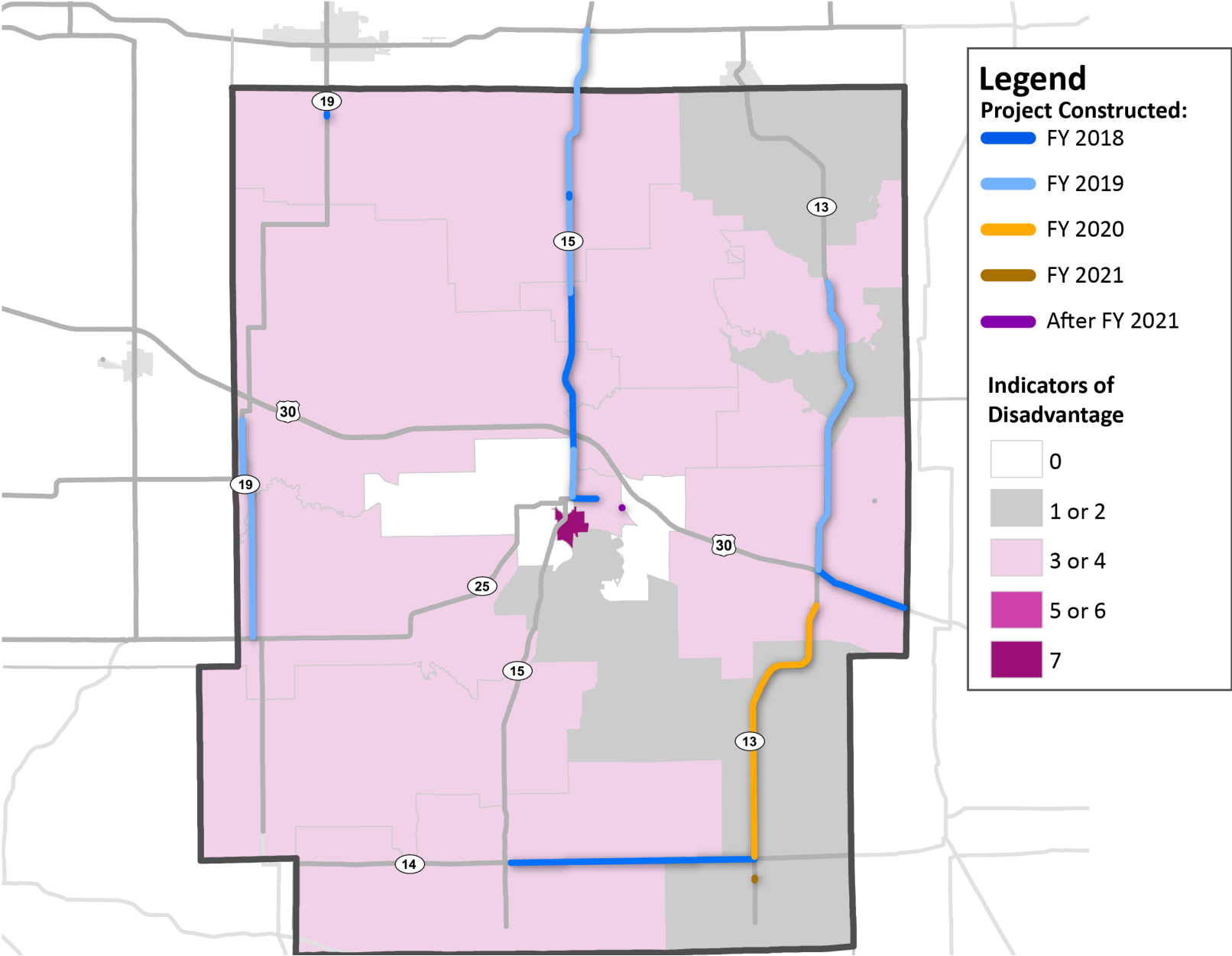
Elkhart County Environmental Justice

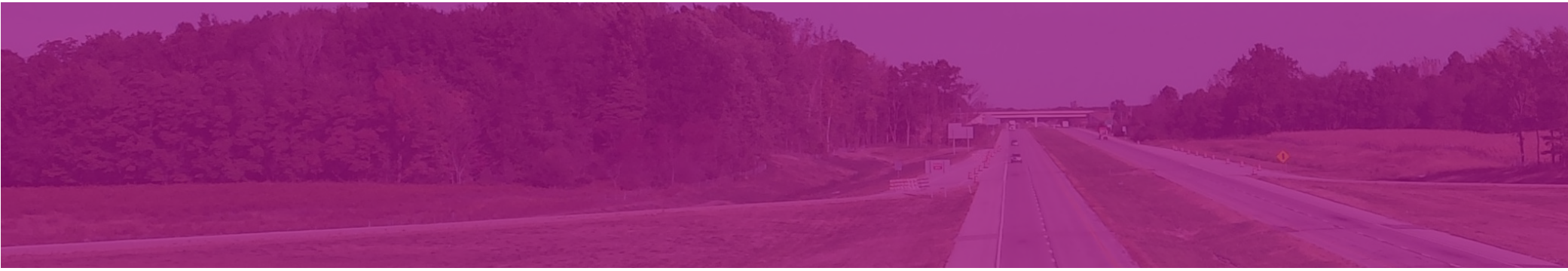


Marshall County Environmental Justice



Kosciusko County Environmental Justice





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An aerial photograph of a modern roundabout with multiple lanes. A blue car is visible on the left side of the roundabout. The road has white dashed lines and red-paved crosswalks. There are green landscaped areas in the center and between the lanes. The background shows some trees and a clear sky.

PROJECT REVENUE SOURCES & FISCAL CONSTRAINT

4

Federal Funds

The Federal Highway Administration (FHWA) allocates federal funds through Congressional legislation. The most recent transportation legislation is Fixing America's Surface Transportation Act (FAST Act), signed into public law December 4, 2015. FAST Act allocation of federal funds in MPO areas may only be spent if it is included as part of the transportation planning process and only if they are included in an approved TIP. These funds may be used on functionally classified system of federal, state, and local roadways throughout the United States.

In the FAST Act these funds are divided into the following categories:

- National Highway Performance Program (NHPP)
- Surface Transportation Block Grant Program (STBG)
- Highway Safety Improvement Program (HSIP)
- Congestion Mitigation & Air Quality Improvement Program (CMAQ)
- Transportation Alternatives (TA, Set-Aside from STBG)

The Indiana Department of Transportation (INDOT) is responsible for projects on its State and Federal facilities. All federal aid eligible roads are functionally classified by agreement between the State, MPOs, and LPAs (Local Public Agencies) based on Federal Highway Administration (FHWA) guidelines for functional classification. Congress approved a National Highway System (NHS) in November 1996. For the MACOG region these roads include US-33, I-90/80 (Indiana Toll Road), US-20/31, County Road 17, and SR-331/Capital Avenue. INDOT uses NHPP funds on these facilities to support the condition and performance of the National Highway System. All other roads classified at major collector or higher may receive Federal Surface Transportation Block Grant Program (STBG) funds. The selection of projects to be developed using STBG funds in the South Bend and Elkhart-Goshen Traffic Management Areas (TMAs) under the requirements of FAST Act and MAP-21 are to be made by the MPO in consultation with the State.

FAST Act continues the Highway Safety Improvement Program (HSIP) to achieve a significant reduction in traffic fatalities and serious injuries on all public roads. The CMAQ program is continued to provide a flexible funding source to States, MPOs and LPAs for transportation projects and programs to help meet the requirements of the Clean Air Act. The FAST Act replaces the Transportation Alternatives program with set aside STBG funding for transportation alternative projects including all projects previously eligible such as pedestrian and bicycle facilities, recreational trails, and safe routes to school projects.

The Michiana Area Council of Governments (MACOG) works cooperatively to coordinate and assure consistency between the MACOG TIP and the Indiana STIP with the various INDOT Departments including but not limited to the Division of Programming and the Division of Policy and Budget.

The current federal legislation funds include several formula based calculations defined by Congress, which are distributed to urban areas by a funding agreement between the MPO and INDOT. Cur-

rently, funding is available in rural areas on a first come, first served basis at INDOT's discretion. Table 1 presents the estimated apportionment for the MACOG region.

Federal fiscal constraint for the FY 2018-2021 TIP is demonstrated in Tables 2 and 3. Federal funds are within a range of the anticipated Federal funding levels, indicating fiscal constraint for local federal aid projects. Table 4 summarizes all the projects programmed in the TIP by LPA and funding year.

Local Funds

The following accounts serve as the local source of revenue for highway project implementation; each of these sources can be used as the local match for Federal funds:

- Local Road and Street Account (LR&S)
- Motor Vehicle Highway Account (MVHA)
- Bonding Capabilities
- Tax Increment Financing (TIF)
- Cumulative Bridge Funds
- Capital Improvement Cumulative Funds
- Wheel Tax
- Economic Development Tax (EDIT)

Local Road and Street Account (LRS)

LRS funds provide an important source of revenue for both city and county highway departments. The funds are dedicated for engineering, construction, or reconstruction of roads or streets, as well as for the payment of bond and interest to finance a project of this type.

Motor Vehicle Highway Account (MVHA)

MVHA revenue is an account of the General Fund of the State of Indiana, which, by statute, is credited with the collection of the first six cents of the motor fuel and fuel use taxes, plus the statutory fees for motor vehicle registration and operation. These highway user taxes are collected by the State and then a portion is distributed back to the cities and counties for administration. The MVHA is the principal source of revenue for the overall operation of street and highway departments. MVHAs uses include the purchase of materials, labor costs, and/or equipment purchases required in the maintenance and construction of streets and roads.

Bonding Capabilities

The two major categories of debt financing are:

- Revenue bonds
- General obligation bonds

Revenue bonds in Indiana are used for proprietary function such as sewage treatment and refuse disposal equipment by all levels and types of local governments. Governments are not limited in the amount of revenue bond debt they may incur. Revenue bonds hold no pertinent place in a discussion of finances for our purposes, and will no longer be referred to in this report.

General obligation bonds are used for debt financing of non-proprietary functional expenditures such as roads and schools. The amount of general obligation debt, which local governments and special districts may incur, is limited to two percent (2%) of net locally assessed property value. (This limit is set and may be altered by the Indiana State Legislature)

Tax Incremental Financing (TIF)

TIF funds are used to pay off bonds, or are used to pay directly for infrastructure projects in a particular area of a city or county. These funds are collected from a particular area and are spent in a particular area to increase the tax base and encourage future development. TIF funds may also be used as local match for federal and state projects.

Cumulative Bridge Funds (CBF)

CBF are a supplementary source of revenue for the construction and repair of highway bridges and grade separations. Indiana statutes authorize the county commissioners of the individual county units to establish a county-wide tax levy on all (city and county) taxable personal and real property for the purpose of accumulating funds for the construction and repair of highway bridges.

Capital Improvement Cumulative Funds

All cities and towns in Indiana may establish Capital Improvement Cumulative Funds to provide monies for any or all ten purposes expressed in Chapter 226, Section 1, Acts 1965. This fund then receives the allotment of the state-collected cigarette tax. The ten purposes include the acquisition of land or right-of-way to be used for streets, roads, alleys, sidewalks, or thoroughfares, and the maintenance of these facilities. Capital Improvement Cumulative Funds may also be used toward the retirement of general obligation bonds. Traditionally, limited amounts of this money have been used in transportation areas.

Wheel Tax (Local Option Highway User Tax)

The Local Option Highway User Tax is available to all counties. It requires that the County Council and County Commissioners approve the tax. St. Joseph and Elkhart Counties approved the tax in 2003. Kosciusko County approved a Wheel Tax in June 2014. Distributions are made to the cities and towns as well as the counties.

Economic Development Income Tax (EDIT)

The Economic Development Income Tax is an optional tax available to all counties in Indiana. It must be passed by the County Council and approved by the County Commissioners. This tax is also known as CEDIT, County Economic Development Tax. It can be adopted by the County Council if the county has the County Adjusted Gross Income Tax (CAGIT), or by the County Commissioners if the county has County Option Income Tax (COIT), or either body if the county has neither CAGIT nor COIT. Most counties that use CEDIT also have either CAGIT or COIT. CEDIT generally can be adopted at rates up to 0.5%, but the combined CAGIT and CEDIT rates in counties with both taxes cannot exceed 1.25%, and the combined COIT and CEDIT rates cannot exceed 1%. Revenue is divided among the county, cities and towns, and must be used for economic development or public capital projects. CEDIT revenue is collected by the state Department of Revenue and distributed back to the adopting counties. St. Joseph and Elkhart County have the CEDIT tax.

Transit Funds

The Federal Transit Administration (FTA) apportions grant funds, which can be used in urbanized areas of 50,000 or more persons. In order to use these funds, the Governor must have previously authorized a designated recipient to receive said funds and comply with all FTA operating, planning, and capital equipment requirements.

In the South Bend and Elkhart-Goshen urbanized areas, there are two designated recipients, MACOG and the South Bend PTC. MACOG has dual designation as a designated recipient in South Bend as well as in Elkhart-Goshen. The City of Niles is the designated recipient for Niles Dial-A-Ride System.

In compliance with FTA Circular 7008.1, it has been determined that financial capacity exists to fund the South Bend PTC and the Interurban Trolley programmed projects during fiscal years 2018 through 2021.

Urban Funds

Section 5303 funds are distributed by formula and are provided to the area MPO (MACOG) to provide planning and technical assistance studies in the South Bend Urbanized Area. Section 5307 funds are formula funds used for transit planning, operating, and capital equipment purchases. Section 5307 recipients include Transpo, the City of Niles (South Bend portion of the TMA), NICTD, and MACOG, which operates the Interurban Trolley and the Interurban Trolley Access Service. Section 5337 and 5339 are also formula based funding programs. Section 5337 is FTA's first stand-alone initiative written into law that is dedicated to repairing and upgrading the nation's rail transit systems. NICTD uses these funds to maintain its fixed guideway in a state of good. Section 5339 provides capital funding to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities. Section 5310 provides formula funding to large urbanized areas over 200,000 (South Bend Urban Area) to increase the mobility of seniors and persons with disabilities.

Rural Funds

Section 5311 provides financial assistance in rural and small urban areas (areas of 5,000 to 50,000 persons) through a formula grant program administered by INDOT. These funds do not require a designated recipient and may be used by local public agencies, non-profit organizations, and operators of public transit for operating and capital equipment purchases. A Section 5311 program recipient in the MACOG region is the Marshall County Council on Aging and Kosciusko Area Bus System (KABS). Section 5310 is also available for all areas under 200,000 in population from a discretionary program funded by FTA through the INDOT and is a capital equipment program available to non-profit agencies.

Table 1: SFY 2018 - 2021 Highway Projects Fiscal Constraint

County		SFY 2018	SFY 2019	SFY 2020	SFY 2021	Total
Elkhart County	Federal Funds	\$6,967,910	\$7,390,782	\$4,462,525	\$4,629,641	\$23,450,858
	Programmed	\$7,132,036	\$8,224,804	\$2,344,992	\$4,516,029	\$22,217,861
	Difference	\$(164,126)	\$(834,022)	\$2,117,533	\$113,613	\$1,232,997
Kosciusko County	Federal Funds	\$1,609,807	\$7,338	\$57,538	\$7,546	\$1,682,229
	Programmed	\$1,609,807	\$7,338	\$57,538	\$7,546	\$1,682,229
	Difference	\$-	\$-	\$-	\$-	\$-
Marshall County	Federal Funds	\$3,926,446	\$137,809	\$8,813	\$86,809	\$4,159,877
	Programmed	\$3,926,446	\$137,809	\$8,813	\$86,809	\$4,159,877
	Difference	\$-	\$-	\$-	\$-	\$-
St. Joseph County	Federal Funds	\$10,039,601	\$8,197,409	\$8,627,369	\$7,687,985	\$34,552,363
	Programmed	\$10,552,146	\$9,992,072	\$8,978,032	\$8,963,648	\$38,485,898
	Difference	\$(512,545)	\$(1,794,663)	\$(350,663)	\$(1,275,663)	\$(3,933,535)
Region	Federal Funds	\$22,543,764	\$15,733,338	\$13,156,244	\$12,411,982	\$63,845,327
	Programmed	\$23,220,435	\$18,362,023	\$11,389,374	\$13,574,032	\$66,545,864
	Difference	\$(676,671)	\$(2,628,685)	\$1,766,870	\$(1,162,050)	\$(2,700,537)

Fiscal Constraint

Local Highway Projects

Table 1 is a summary of the fiscal constraint analysis for local highway projects listed in the Transportation Improvement Program. The details for the federal funds and programmed amounts are located in Table 2 and 3 respectively. The difference between funds available and the programmed amounts is anticipated to be recovered with other federal fund surplus, project costs savings, and/or additional local contributions. The local match required for federally funded projects is supplied from a variety of local sources including LRSA, CBF, MBF, EDIT, COIT, LOWHUT, MVHA, TIF and others. The LPA is required, prior to beginning a projects, to have identify the specific source and amount required for their local match.

TRANSPORTATION IMPROVEMENT PROGRAM

Table 2: SFY 2018 - 2021 Highway Funds Allocations

County	Fund Type	SFY 2018	SFY 2019	SFY 2020	SFY 2021	Total
Elkhart County	STP - MPO	\$2,982,554	\$2,582,533	\$2,582,533	\$2,582,533	\$10,730,151
	HSIP	\$621,359	\$621,359	\$621,359	\$621,359	\$2,485,438
	CMAQ	\$1,047,965	\$1,047,965	\$1,047,965	\$1,047,965	\$4,191,861
	TAP	\$205,675	\$205,675	\$205,675	\$205,675	\$822,702
	STP - INDOT	\$660,356	\$134,304	\$4,992	\$172,109	\$971,761
	PYB	\$1,450,000	\$2,798,946	\$-	\$-	\$4,248,946
	Total	\$6,967,910	\$7,390,782	\$4,462,525	\$4,629,641	\$23,450,858
Kosciusko County	STP - INDOT	\$1,609,807	\$7,338	\$57,538	\$7,546	\$1,682,229
	Total	\$1,609,807	\$7,338	\$57,538	\$7,546	\$1,682,229
Marshall County	STP - INDOT	\$3,926,446	\$137,809	\$8,813	\$86,809	\$4,159,877
	Total	\$3,926,446	\$137,809	\$8,813	\$86,809	\$4,159,877
St Joseph County	STP - MPO	\$3,791,019	\$4,442,609	\$4,442,609	\$4,442,609	\$17,118,848
	HSIP	\$1,047,741	\$1,047,741	\$1,047,741	\$1,047,741	\$4,190,964
	CMAQ	\$1,626,867	\$1,626,867	\$1,626,867	\$1,626,867	\$6,507,467
	TAP	\$399,120	\$399,120	\$399,120	\$399,120	\$1,596,478
	STP - INDOT	\$1,674,854	\$181,072	\$1,111,032	\$171,648	\$3,138,606
	PYB	\$1,500,000	\$500,000	\$-	\$-	\$2,000,000
	Total	\$10,039,601	\$8,197,409	\$8,627,369	\$7,687,985	\$34,552,363
Region	STP - MPO	\$6,773,573	\$7,025,142	\$7,025,142	\$7,025,142	\$27,848,999
	HSIP	\$1,669,101	\$1,669,101	\$1,669,101	\$1,669,101	\$6,676,402
	CMAQ	\$2,674,832	\$2,674,832	\$2,674,832	\$2,674,832	\$10,699,328
	TAP	\$604,795	\$604,795	\$604,795	\$604,795	\$2,419,180
	STP - INDOT	\$7,871,463	\$460,523	\$1,182,374	\$438,112	\$9,952,472
	PYB	\$2,950,000	\$3,298,946	\$-	\$-	\$6,248,946
	Total	\$22,543,764	\$15,733,338	\$13,156,244	\$12,411,982	\$63,845,327

Table 3: SFY 2018 - 2021 Highway Programmed Projects

County	LPA	SFY 2018	SFY 2019	SFY 2020	SFY 2021	Total
Elkhart County	Elkhart	\$-	\$1,600,000	\$-	\$-	\$1,600,000
	Goshen	\$5,976,680	\$6,338,500	\$-	\$4,343,920	\$16,659,100
	Elkhart Co.	\$1,060,356	\$286,304	\$2,344,992	\$172,109	\$3,863,761
	MACOG	\$95,000	\$-	\$-	\$-	\$95,000
	Total	\$7,132,036	\$8,224,804	\$2,344,992	\$4,516,029	\$22,217,861
Kosciusko County	Warsaw	\$1,547,440	\$-	\$-	\$-	\$1,547,440
	Kosciusko Co.	\$62,367	\$7,338	\$57,538	\$7,546	\$134,789
	Total	\$1,609,807	\$7,338	\$57,538	\$7,546	\$1,682,229
Marshall County	Plymouth	\$1,252,893	\$-	\$-	\$-	\$1,252,893
	LaPaz	\$980,000	\$-	\$-	\$-	\$980,000
	Marshall Co.	\$1,693,553	\$137,809	\$8,813	\$86,809	\$1,926,984
	Total	\$3,926,446	\$137,809	\$8,813	\$86,809	\$4,159,877
St. Joseph County	South Bend	\$3,003,292	\$2,060,000	\$7,867,000	\$1,440,000	\$14,370,292
	Mishawaka	\$-	\$7,084,000	\$-	\$-	\$7,084,000
	North Liberty	\$434,430	\$99,040	\$976,320	\$-	\$1,509,790
	St. Joseph Co.	\$6,614,424	\$749,032	\$134,712	\$7,523,648	\$15,021,816
	MACOG	\$100,000	\$-	\$-	\$-	\$100,000
	TRANSP0	\$400,000	\$-	\$-	\$-	\$400,000
	Total	\$10,552,146	\$9,992,072	\$8,978,032	\$8,963,648	\$38,485,898
Total		\$23,220,435	\$18,362,023	\$11,389,374	\$13,574,032	\$66,545,864

TRANSPORTATION IMPROVEMENT PROGRAM

Local Transit Projects

Table 4 is a summary of the fiscal constraint analysis for local transit projects listed in the Transportation Improvement Program. The details for the federal funds and programmed amounts are located in Table 5 and 6 respectively. The difference between funds available and the programmed amounts is anticipated to be recovered with other federal fund surplus, project costs savings, and/or additional local contributions. The local match required for federally funded projects is supplied from a variety of local sources. Prior to beginning a projects, the agency must identify the specific source and amount required for their local match.

Table 4: SFY 2018 - 2021 Transit Projects Fiscal Constraint

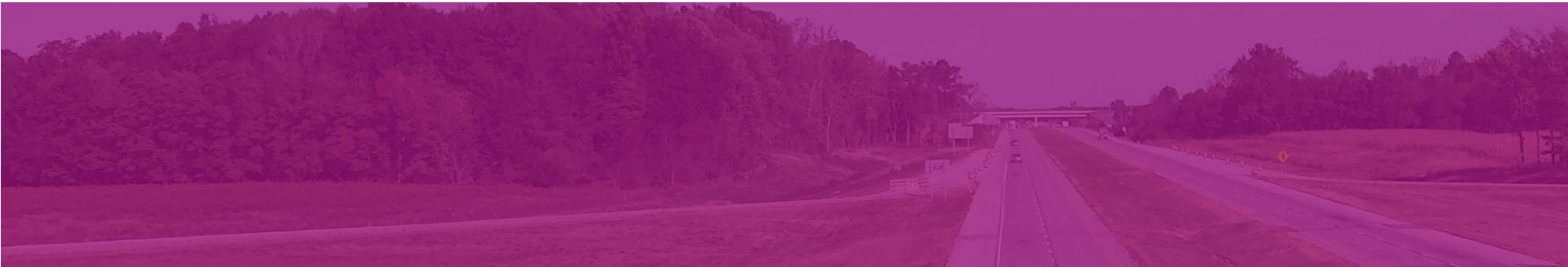
Urbanized Area		SFY 2018	SFY 2019	SFY 2020	SFY 2021	Total
Elkhart-Goshen UZA	Federal Funds	\$1,905,391	\$1,905,391	\$1,905,391	\$1,905,391	\$7,621,564
	Programmed	\$1,963,314	\$1,963,314	\$1,963,314	\$1,963,314	\$7,853,256
	Difference	\$(57,923)	\$(57,923)	\$(57,923)	\$(57,923)	\$(231,692)
South Bend UZA	Federal Funds	\$2,414,447	\$2,414,447	\$2,414,447	\$2,414,447	\$9,657,788
	Programmed	\$2,628,000	\$2,633,000	\$2,410,000	\$2,520,000	\$10,191,000
	Difference	\$(213,553)	\$(218,553)	\$4,447	\$(105,553)	\$(533,212)
Region	Federal Funds	\$4,319,838	\$4,319,838	\$4,319,838	\$4,319,838	\$17,279,352
	Programmed	\$4,591,314	\$4,596,314	\$4,373,314	\$4,483,314	\$18,044,256
	Difference	\$(271,476)	\$(276,476)	\$(53,476)	\$(163,476)	\$(764,904)

Table 5: SFY 2018 - 2021 Transit Funds Allocations

Urbanized Area	SFY 2018	SFY 2019	SFY 2020	SFY 2021	Total
Elkhart-Goshen UZA	\$1,905,391	\$1,905,391	\$1,905,391	\$1,905,391	\$7,621,564
South Bend UZA	\$2,414,447	\$2,414,447	\$2,414,447	\$2,414,447	\$9,657,788
Total	\$4,319,838	\$4,319,838	\$4,319,838	\$4,319,838	\$17,279,352

Table 6: SFY 2018 - 2021 Transit Programmed Projects

Urbanized Area	SFY 2018	SFY 2019	SFY 2020	SFY 2021	Total
Elkhart-Goshen UZA	\$1,963,314	\$1,963,314	\$1,963,314	\$1,963,314	\$7,853,256
South Bend UZA	\$2,628,000	\$2,633,000	\$2,410,000	\$2,520,000	\$10,191,000
Total	\$4,591,314	\$4,596,314	\$4,373,314	\$4,483,314	\$18,044,256



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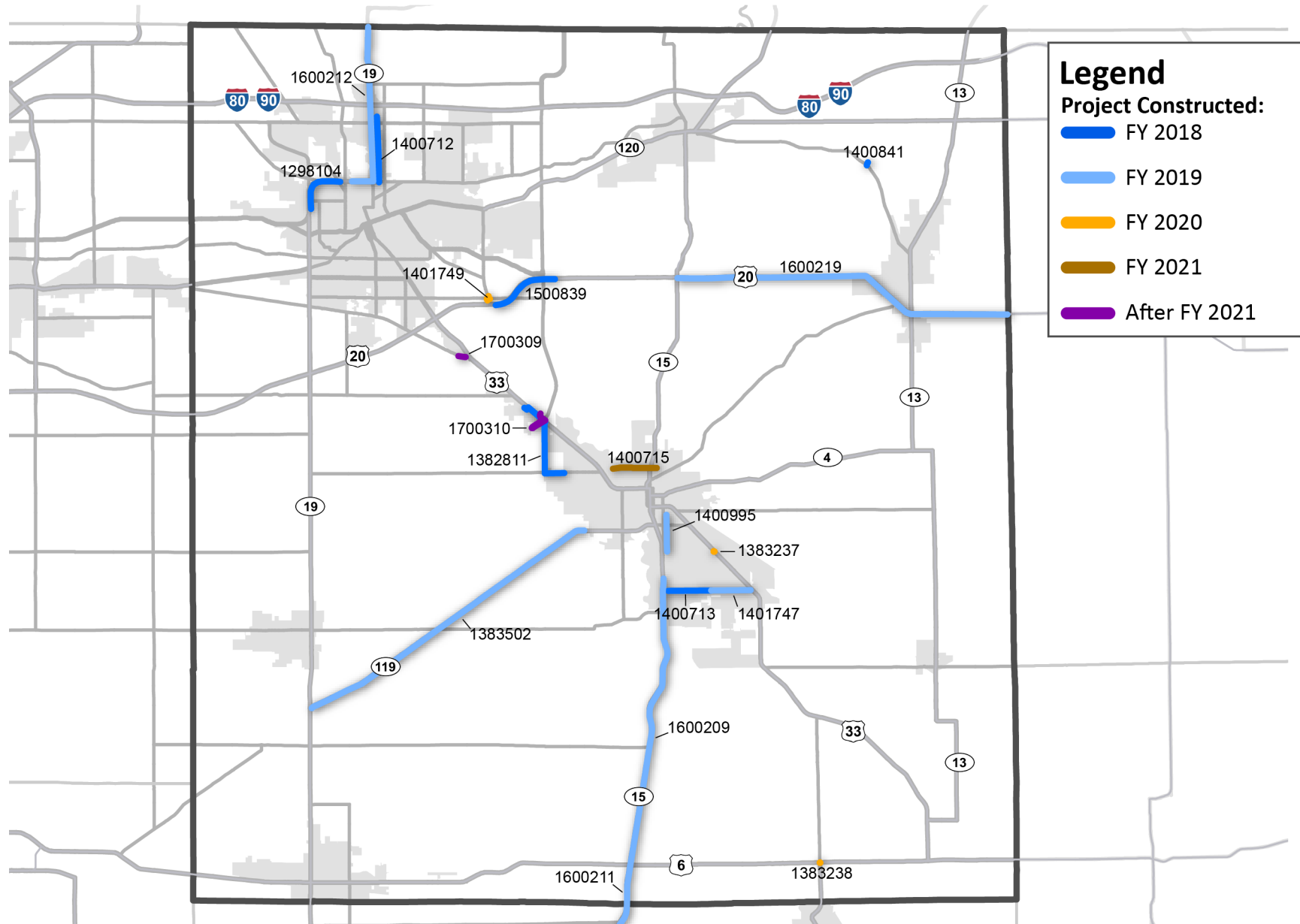
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- 80 | South Bend Urbanized**



An aerial photograph of a modern roundabout. A blue car is visible on the left side of the roundabout. The road has white dashed lines and red-paved crosswalks. There are green landscaped areas in the center and between the roads. The background shows a line of trees and a grassy field.

PROJECT LISTINGS

Elkhart County Project Listings



TRANSPORTATION IMPROVEMENT PROGRAM

Locally Sponsored Projects									
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
City of Elkhart									
1400712	Cassopolis Multi-use Trail Ph I & II from Windsor Ave to Bristol St	Bike/ Pedestrian Facilities	Grp II STP	CN	\$1,600,000	\$400,000	\$2,000,000		2019
Elkhart County									
1401749	CR 18 at CR 13 and CR 115 Intersection	Intersection Improvement	CMAQ	RW	\$400,000	\$100,000	\$500,000		2018
1401749	CR 18 at CR 13 and CR 115 Intersection	Intersection Improvement	CMAQ	CN	\$2,340,000	\$585,000	\$2,925,000		2020
1400841	Bridge 102 on CR 35 over the Little Elkhart River 0.1 miles N of CR8	Bridge Rehabilitation or Repair	Bridge	CN	\$660,356	\$165,089	\$825,445		2018
1592887	County-wide Bridge Inspection and Inventory Program for Cycle Years 2018-2021	Bridge Inspections	Bridge	PE	\$311,405	\$77,851	\$389,256		2019 2020 2021
1700309	Bridge 152 on Mishawaka Road over Yellow Creek	Bridge Replacement, Concrete	Grp II STP	PE	\$192,000	\$48,000	\$240,000		2018
1700309	Bridge 152 on Mishawaka Road over Yellow Creek	Bridge Replacement, Concrete	Grp II STP	RW	\$80,000	\$20,000	\$100,000	\$2,360,000	2019

Locally Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1700310	CR 17 Multi-Use Path: From US 33 to CR 45	Bike/ Pedestrian Facilities	CMAQ	PE	\$184,000	\$46,000	\$230,000		2018
1700310	CR 17 Multi-Use Path: From US 33 to CR 45	Bike/ Pedestrian Facilities	CMAQ	RW	\$72,000	\$18,000	\$90,000	\$2,242,000	2019
City of Goshen									
1382811	Northwest Bike and Pedestrian Walkway	Bike/ Pedestrian Facilities	CMAQ	CN	\$2,298,070	\$574,518	\$2,872,588		2018
1400713	Kercher Rd from NS RRXing to Diedorff Rd	Road Reconstruction	Grp II STP	CN	\$3,678,610	\$919,653	\$4,598,263		2018
1400715	Wilden Ave from Rock Run Creek to 6th St	Road Reconstruction	Grp II STP	RW	\$768,000	\$192,000	\$960,000		2019
1400715	Wilden Ave from Rock Run Creek to 6th St	Road Reconstruction	Grp II STP	CN	\$4,343,920	\$1,085,980	\$5,429,900		2021
1400995	Ninth St Multi-Use Path from College Ave to Purl St	Bike/ Pedestrian Facilities	TAP	CN	\$1,248,000	\$312,000	\$1,560,000		2019
1401747	Kercher Rd from Dierdorff Rd to US 33	Road Reconstruction	Grp II STP	CN	\$4,322,500	\$1,080,625	\$5,403,125		2019
MACOG									
1600542	Pictometry/ Travel Demand Model	Other Type Project	Grp II STP	PL	\$60,000	\$15,000	\$75,000		2018
1600542	Clean Air Campaign - 2018	Other Type Project	CMAQ	PL	\$35,000	\$7,000	\$42,000		2018

TRANSPORTATION IMPROVEMENT PROGRAM

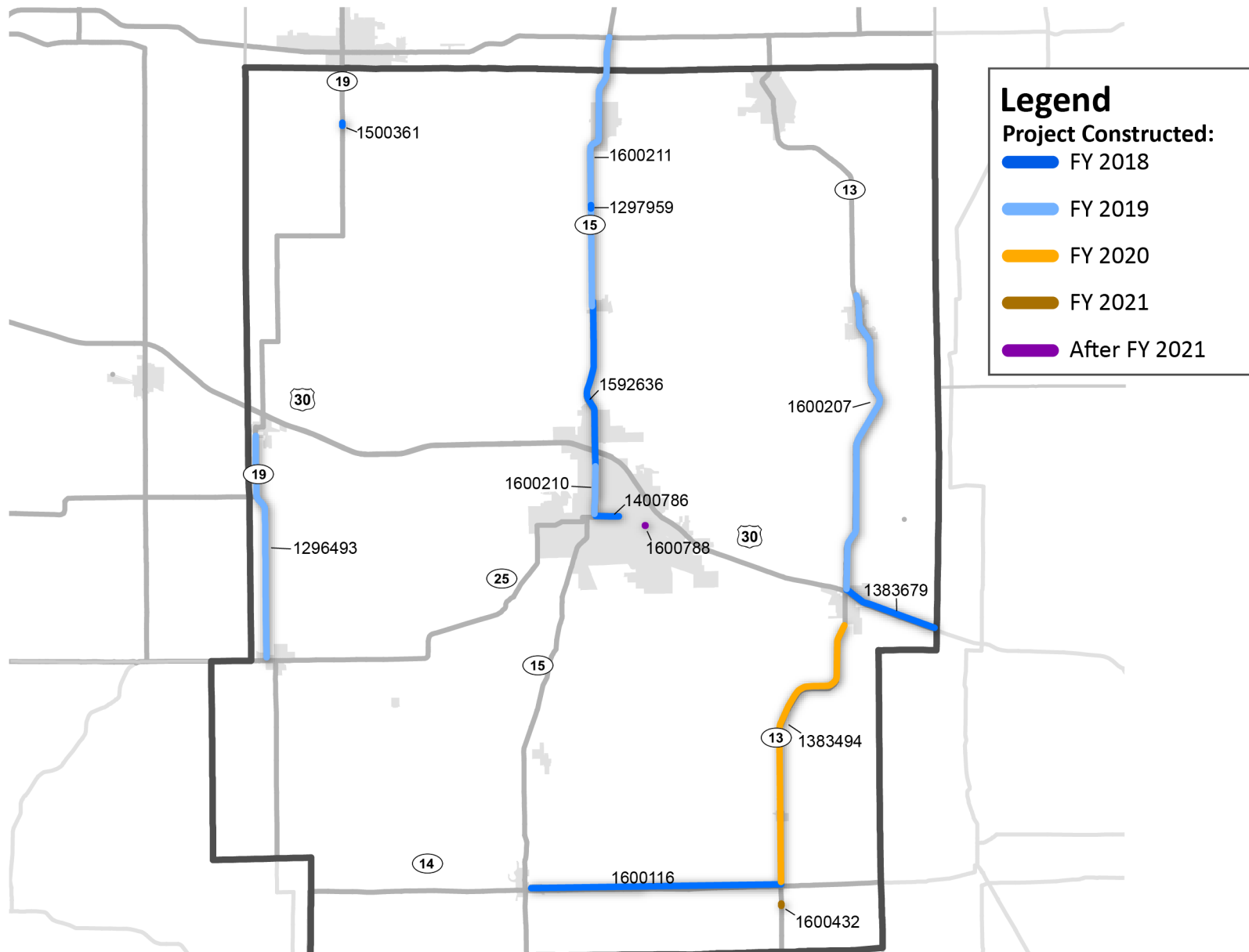
State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
Indiana Department of Transportation									
1383237	US 33, 9.42 Miles North of SR 13 at CR 36/College Ave.	Intersection Improvement, Roundabout	NHS	RW	\$200,000	\$50,000	\$250,000		2018
1383237	US 33, 9.42 Miles North of SR 13 at CR 36/College Ave.	Intersection Improvement, Roundabout	NHS	CN	\$1,431,520	\$357,880	\$1,789,400		2020
1383238	US 6 at SR 13 W. Jct./CR 33	Intersection Improvement, Roundabout	HSIP	RW	\$240,000	\$60,000	\$300,000		2018
1383238	US 6 at SR 13 W. Jct./CR 33	Intersection Improvement, Roundabout	HSIP	CN	\$2,330,800	\$582,700	\$2,913,500		2020
1298104	SR 19 From 4.22 Mi. Nrth of US 20 (Beardsly) to 5.89 Mi. Nrth of US 20 (Edwrdsbrg Av).	HMA Overlay, Functional	Road CN	CN	\$1,476,800	\$369,200	\$1,846,000		2018
1383183	MS MIS Helpers Program for Local Roads and Streets	Other Type Project (Miscellaneous)	Safety CSLT	PE	\$603,000	\$150,750	\$250,000		2018
1383183	MS MIS Helpers Program for Local Roads and Streets	Other Type Project (Miscellaneous)	Safety CN	CN	\$-	\$-	\$-		2018
1383502	SR 119 From SR 19 to 1.90 Miles West of SR 15 (Green Rd.)	HMA Overlay, Functional	Road CN	CN	\$1,850,560	\$462,640	\$2,313,200		2019

State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1500839	US 20, From 2.81 Miles West of SR 19 to 3.18 Miles West of SR 15	Concrete Pavement Restoration	NHPP	CN	\$438,227	\$109,557	\$547,784		2018
1600209	SR 15, US 6 to 7.49 Miles North of US 6	HMA Overlay, Preventive Maintenance	ST STP	CN	\$1,956,760	\$489,190	\$2,445,950		2019
1600211	SR 15, 4.63 Miles North of US 30 to US 6	HMA Overlay, Preventive Maintenance	ST STP	CN	\$1,956,760	\$489,190	\$2,445,950		2019
1600212	SR 19, 5.89 miles N of US 20 to 2.03 miles N of I-80/90	HMA Overlay, Preventive Maintenance	NHPP	CN	\$2,223,880	\$555,970	\$2,779,850		2019
1600219	US 20, SR 15 to 8.76 miles E of SR 15	HMA Overlay, Preventive Maintenance	NHPP	CN	\$2,224,040	\$556,010	\$2,780,050		2019

Kosciusko County Project Listings



TRANSPORTATION IMPROVEMENT PROGRAM

Locally Sponsored Projects									
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
Kosciusko County									
1592891	County-wide Bridge Inspection and Inventory Program for Cycle Years 2018-2021	Bridge Inspections	Bridge	PE	\$134,786	\$33,696	\$168,483		2018 2019 2020 2021
City of Warsaw									
1400786	East Market St between Hickory St and Bronson St	Road Reconstruction	Grp III STP	CN	\$1,547,440	\$386,860	\$1,934,300		2018
Town of Winona Lake									
1600788	Intersection of Argonne Rd, Winona Ave, Kings Highway and Park Ave	Intersection Improvement, Roundabout	ST STP	PE	\$-	\$350,000	\$350,000	\$1,329,150	2018

State Sponsored Projects

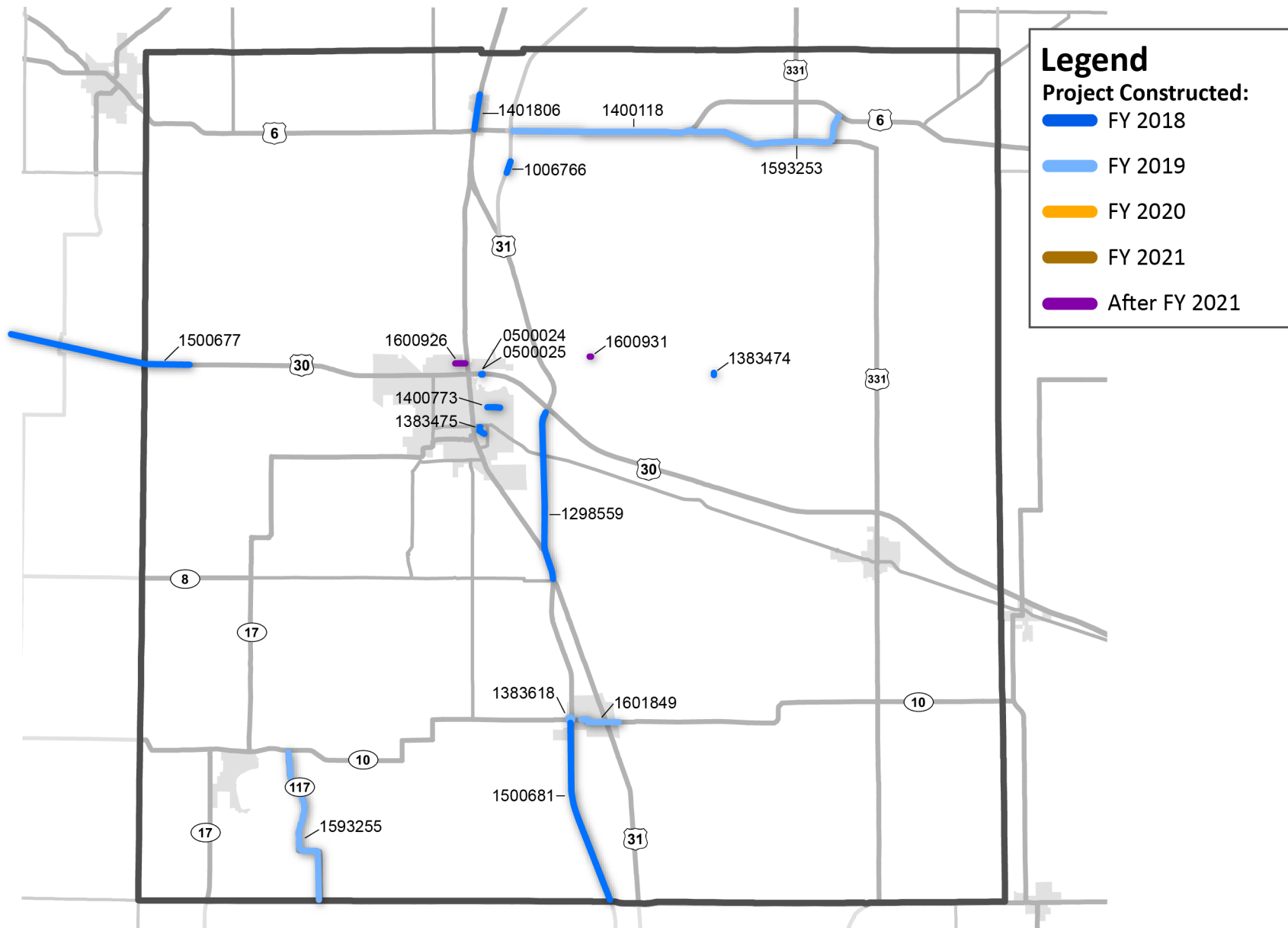
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
Indiana Department of Transportation									
1383183	MS MIS Helpers Program for Local Roads and Streets	Other Type Project (Miscellaneous)	Safety CSLT	PE	\$603,000	\$150,750	\$251,250		2018
1383183	MS MIS Helpers Program for Local Roads and Streets	Other Type Project (Miscellaneous)	Safety CN	CN	\$-	\$-	\$-		2018
1383494	SR 13, From SR 14 to 1.10 miles S of US 30	HMA Overlay, Functional	Road CN	CN	\$3,188,080	\$797,020	\$3,985,100		2020
1383679	US 30 from 0.13 Miles West of SR 13 to 0.06 East of SR 5	HMA Overlay, Functional	NHPP	CN	\$3,834,800	\$958,700	\$4,793,500		2018
1500361	SR 19, Bridge over Wilhelm-Kurtz Ditch, 1.93 Miles South of US 6.	Replace Superstructure	ST STP	PE	\$131,080	\$32,770	\$69,500		2018
1500361	SR 19, Bridge over Wilhelm-Kurtz Ditch, 1.93 Miles South of US 6.	Replace Superstructure	ST STP	CN	\$463,360	\$115,840	\$579,200		2018
1592636	SR 15, 0.50 Miles South of US 30 to 4.63 Miles North of US 30	HMA Overlay, Preventive Maintenance	NHPP	CN	\$1,554,960	\$388,740	\$1,943,700		2018
1600116	SR 14, SR 15 to SR 13	HMA Overlay, Preventative Maintenance	ST STP	CN	\$1,329,708	\$332,427	\$1,662,135		2018

TRANSPORTATION IMPROVEMENT PROGRAM

State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1600207	SR 13, US 30 to 9.46 Miles North of US 30	HMA Overlay, Preventive Maintenance	ST STP	CN	\$1,956,760	\$489,190	\$2,445,950		2019
1600210	SR 15, 1.97 Miles South of US 30 to 0.50 Miles South of US 30	Concrete Pavement Restoration	ST STP	CN	\$444,720	\$111,180	\$555,900		2019
1600432	SR 13, Over Plunge Creek, 0.60 Miles South of SR 14	Bridge Replacement, Other Construction	Bridge CN	PE	\$6,000	\$1,500	\$7,500		2020
1600432	SR 13, Over Plunge Creek, 0.60 Miles South of SR 14	Bridge Replacement, Other Construction	Bridge CN	RW	\$34,000	\$8,500	\$42,500		2020
1600432	SR 13, Over Plunge Creek, 0.60 Miles South of SR 14	Bridge Replacement, Other Construction	Bridge CN	CN	\$941,674	\$235,419	\$1,177,093		2021

Marshall County Project Listings



TRANSPORTATION IMPROVEMENT PROGRAM

Locally Sponsored Projects									
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
Town of LaPaz									
1401806	Michigan Rd from north of US 6 to 1st Rd	Road Reconstruction	Grp IV	CN	\$300,000	\$75,000	\$375,000		2018
			ST STP/ SMFR	CN	\$680,000	\$170,000	\$85,000		2018
Marshall County									
1382094	Inspection and re-inspection of county bridges 20 feet and longer	Bridge Inspections	ST STP	PE	\$7,553	\$1,888	\$9,441		2018
1383474	Bridge No. 81 carrying Hickory Rd over Yellow River	Bridge Replacement	Bridge	CN	\$1,336,000	\$334,000	\$1,670,000		2018
1700389	Br. No 81 Wetland Mitigation Site	Mitigation	Grp IV	CN	\$50,000	\$175,000	\$225,000		2018
1600931	Br No. 73 carrying King Rd over Yellow River	Bridge Replacement	ST STP	PE	\$-	\$300,000	\$300,000		2018
1600931	Br No. 73 carrying King Rd over Yellow River	Bridge Replacement	ST STP	RW	\$-	\$62,000	\$62,000	\$2,455,000	2019
1592161	County-wide Bridge Inspection and Inventory Program for Cycle Years 2018-2021	Bridge Inspections	ST STP	PE	\$171,431	\$42,858	\$214,288		2019 2020 2021

Locally Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
City of Plymouth									
1383475	Greenway Trail Phase II between Jefferson & Garro St. near the Yellow River	Bike/ Pedestrian Facilities	TAP (INDOT)	CN	\$958,748	\$239,687	\$1,198,435		2018
1400773	SRTS path and ADA along Baker St from Columbus through Randolph intersection	Bike/ Pedestrian Facilities	TAP (INDOT)	CN	\$294,145	\$73,536	\$367,681		2018
1600926	Hoham Drive starting at North Michigan St to 400' west of Western Ave	Road Reconstruction	ST STP	PE	\$-	\$311,250	\$311,250		2018
1600926	Hoham Drive starting at North Michigan St to 400' west of Western Ave	Road Reconstruction	ST STP	RW	\$-	\$412,850	\$412,850	\$3,418,362	2019

TRANSPORTATION IMPROVEMENT PROGRAM

State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
Indiana Department of Transportation									
0500024	US 30 EB Bridge over Baker Ditch, 0.28 miles E of SR 17	Bridge Replacement, Reinforced Concrete. Construction	Bridge CN	CN	\$395,200	\$98,800	\$494,000		2018
0500024	US 30 EB Bridge over Baker Ditch, 0.28 miles E of SR 17	Bridge Replacement, Reinforced Concrete. Construction	NHS	CE	\$80,000	\$20,000	\$100,000		2018
0500025	US 30 WB Bridge over Baker Ditch, 0.28 miles E of SR 17	Bridge Replacement, Reinforced Concrete. Construction	Bridge CN	CN	\$395,200	\$98,800	\$494,000		2018
1383183	MS MIS Helpers Program for Local Roads and Streets	Other Type Project (Miscellaneous)	Safety CSLT	PE	\$201,000	\$50,250	\$251,250		2018
1383618	US 31 at SR 10	Other Intersection Improvement	Safety CN	CN	\$869,600	\$217,400	\$1,087,000		2019
1400118	US 6, from US 31 to W. Jct of SR 106	HMA Overlay, Preventive Maintenance	NHS	CE	\$160,000	\$40,000	\$200,000		2019

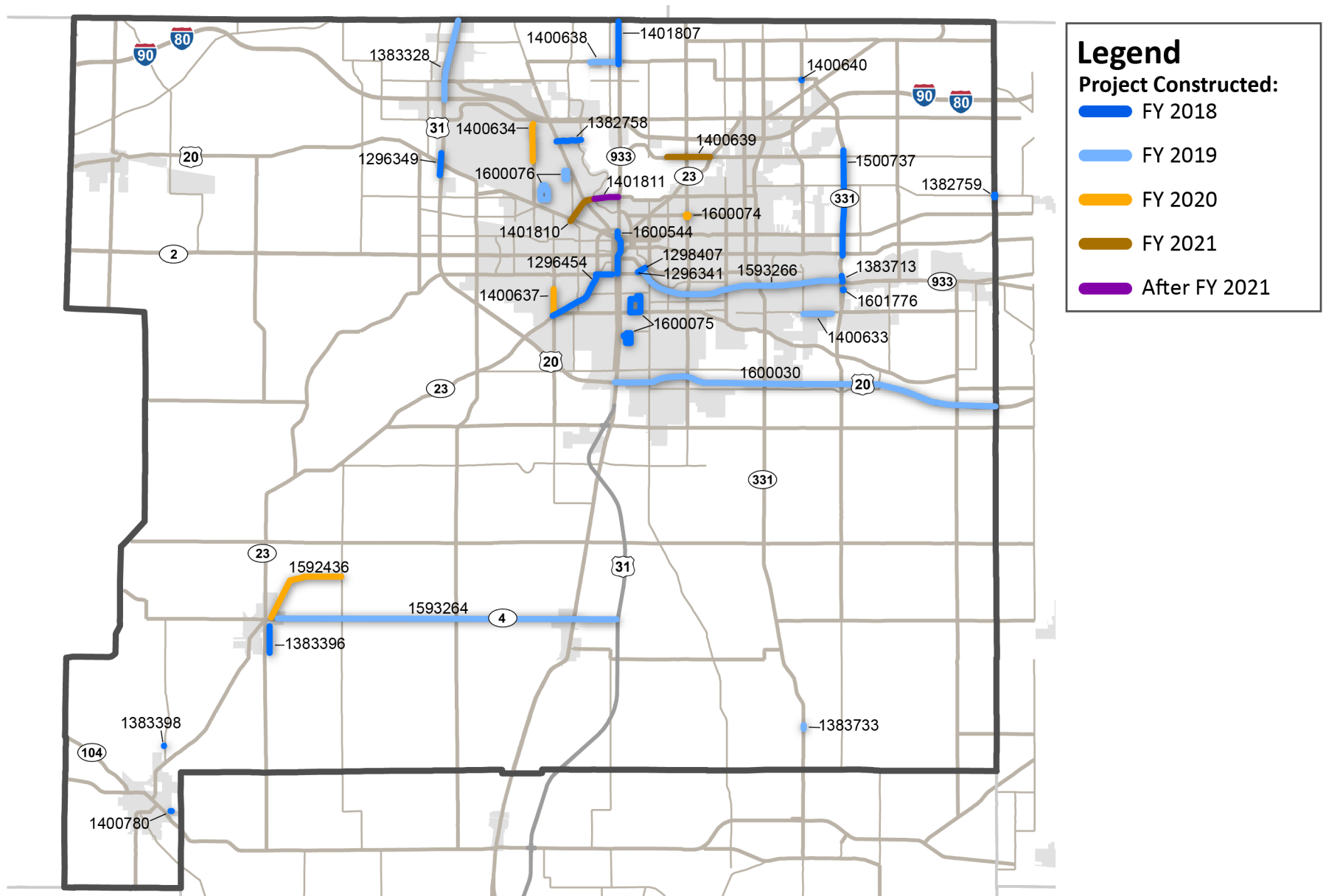
State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1400118	US 6, from US 31 to W. Jct of SR 106	HMA Overlay, Preventive Maintenance	NHS	CN	\$2,223,722	\$555,931	\$2,779,653		2019
1500677	US 30, From 4.74mi E of US 35 to RP 57+89 (Union Rd)	HMA Overlay, Preventive Maintenance	NHS	CN	\$4,333,600	\$1,083,400	\$5,417,000		2018
1500680	US 31, From Old US 31 to US 30	HMA Overlay, Preventive Maintenance	NHS	CN	\$2,014,400	\$503,600	\$2,518,000		2018
1500681	US 31, From SR 110 to SR 10	HMA Overlay, Preventive Maintenance	NHS	CN	\$3,020,800	\$755,200	\$3,776,000		2018
1593253	SR 106, From US 6 (W Jct) to US 6 (E Jct)	HMA Overlay, Preventive Maintenance	ST STP	CE	\$103,040	\$25,760	\$128,800		2019
1593253	SR 106, From US 6 (W Jct) to US 6 (E Jct)	HMA Overlay, Preventive Maintenance	ST STP	CN	\$1,132,872	\$283,218	\$1,416,090		2019
1593255	SR 117, From SR 10 to SR 110	HMA Overlay, Preventive Maintenance	Road CSLT	CE	\$88,800	\$22,200	\$111,000		2019
1593255	SR 117, From SR 10 to SR 110	HMA Overlay, Preventive Maintenance	Road CN	CN	\$888,000	\$222,000	\$1,110,000		2019

TRANSPORTATION IMPROVEMENT PROGRAM

State Sponsored Projects									
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1601849	ADA Curb Ramps Along SR 10 in North Judson (Starke Co) @ Argos (Marshall Co)	Construct ADA Approved Sidewalk Ramps	NHPP	CN	\$332,800	\$83,200	\$416,000		2019

St. Joseph County Project Listings



TRANSPORTATION IMPROVEMENT PROGRAM

Locally Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
City of Mishawaka									
1400633	Twelfth St from Downey to Byrkit	Added Travel Lanes	Grp I STP	CN	\$7,084,000	\$1,771,000	\$8,855,000		2019
Town of North Liberty									
1383396	Tamarack Multi-Use Trail from VFW Youth Ball Park on Quinn Rd to Wabash Avenue	Bike/ Pedestrian Facilities	TAP (INDOT)	CN	\$434,430	\$108,608	\$543,038		2018
1592436	Potato Creek Trail	Bike/ Pedestrian Facilities	TAP (INDOT)	RW	\$346,640	\$86,660	\$433,300		2019
1592436	Potato Creek Trail	Bike/ Pedestrian Facilities	TAP (INDOT)	CN	\$728,720	\$182,180	\$910,900		2020
City of South Bend									
1382758	Boland Drive from Portage Ave to Riverside Dr	Bike/ Pedestrian Facilities	SMFR	PE	\$9,411	\$2,353	\$11,764		2018
1382758	Boland Drive from Portage Ave to Riverside Dr	Bike/ Pedestrian Facilities	CMAQ	CN	\$983,200	\$245,750	\$1,228,950		2018
1400634	Bendix Dr from Lathrop St to the I-80 bridge (Nimtztz Pkwy)	Road Reconstruction	Grp I STP	CN	\$2,800,000	\$700,000	\$3,500,000		2020

Locally Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1400637	Olive St from south of Delaware St to RR south of Tucker Dr	Road Reconstruction	Grp I STP	CN	\$2,000,000	\$500,000	\$2,500,000		2020
1401810	Coal Line Trail (Phase I) from Lincolnway W to Riverside Dr	Bike/ Pedestrian Facilities	CMAQ	RW	\$860,000	\$215,000	\$1,075,000		2019
1401810	Coal Line Trail (Phase I) from Lincolnway W to Riverside Dr	Bike/ Pedestrian Facilities	CMAQ	CN	\$1,440,000	\$360,000	\$1,800,000		2021
1401811	Coal Line Trail (Phase II) from Riverside Dr to Angela Blvd	Bike/ Pedestrian Facilities	CMAQ	PE	\$80,000	\$20,000	\$100,000	\$2,485,000	2018
1401811	Coal Line Trail (Phase II) from Riverside Dr to Angela Blvd	Bike/ Pedestrian Facilities	CMAQ	RW	\$632,000	\$158,000	\$790,000		2020
1600074	Corby Blvd/ Ironwood Dr/ Rockne Dr	Intersection Improvement	Grp I STP	PE	\$88,092	\$22,023	\$110,115		2018
1600074	Corby Blvd/ Ironwood Dr/ Rockne Dr	Intersection Improvement	Grp I STP	RW	\$652,000	\$163,000	\$815,000		2018
1600074	Corby Blvd/ Ironwood Dr/ Rockne Dr	Intersection Improvement	Grp I STP	CN	\$2,435,000	\$608,750	\$3,043,750		2020
1600075	Monroe Primary Center and Studebaker Elementary School - SRTS	Bike/ Pedestrian Facilities	TAP	CN	\$1,200,000	\$300,000	\$1,500,000		2018
1600076	LaSalle Intermediate Academy & Marquette Primary Montessori - SRTS	Bike/ Pedestrian Facilities	TAP	CN	\$1,200,000	\$300,000	\$1,500,000		2019

TRANSPORTATION IMPROVEMENT PROGRAM

Locally Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
St. Joseph County									
1298578	Cleveland Rd from St. Joseph River to SR 933 (Road)	Road Reconstruction	Grp I STP	CN	\$5,308,008	\$1,327,002	\$6,635,010		2018
1401129	Bridge No. 212 carrying Cleveland Rd over St. Joseph River	Bridge Rehabilitation	Grp I STP	CN	\$2,879,280	\$719,820	\$3,599,100		2018
1401130	Bridge No. 7 carrying Cleveland Rd over Juday Creek	Bridge Rehabilitation	Grp I STP	CN	\$66,080	\$16,520	\$82,600		2018
1382759	Edison Rd @ Ash Rd - Roundabout	Intersection Improvement	CMAQ	CN	\$1,600,000	\$400,000	\$2,000,000		2018
1383398	Bridge No. 62 carrying Walnut Rd over Yellow Bank Creek	Bridge Replacement, Other Construction	Bridge	CN	\$721,000	\$180,250	\$901,250		2020
1400638	Auten Rd multi-use path from Laurel Rd to SR 933	Bike/ Pedestrian Facilities	TAP	RW	\$80,000	\$20,000	\$100,000		2018
1400638	Auten Rd multi-use path from Laurel Rd to SR 933	Bike/ Pedestrian Facilities	TAP	CN	\$667,000	\$166,750	\$833,750		2019
1400639	Douglas Rd at Ironwood Rd & ATL from Ivy Rd to SR23	Added Travel Lanes	Grp I STP	RW	\$800,000	\$200,000	\$1,000,000		2018
1400639	Douglas Rd at Ironwood Rd & ATL from Ivy Rd to SR23	Added Travel Lanes	Grp I STP	CN	\$7,352,000	\$1,838,000	\$9,190,000	\$6,172,000	2021

Locally Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
St. Joseph County									
1400640	Fir Rd @ Brick Rd - Roundabout	Intersection Improvement	CMAQ	CN	\$2,000,000	\$500,000	\$2,500,000		2018
1401807	LaSalle Trail Extension from Auten Rd to Michigan State Line	Bike/ Pedestrian Facilities	TAP	CN	\$894,000	\$223,500	\$1,117,500		2018
1400780	Bridge No. 58 over Pine Creek on Underwood 0.3 miles west of Spruce Rd	Bridge Replacement	Bridge	CN	\$662,400	\$165,600	\$828,000		2018
1592165	Bridge Inspections 2016-2019 Cycle Years	Bridge Inspections	Bridge	PE	\$273,768	\$68,442	\$342,210		2018 2019 2020
1593056	Countywide Bridge Inspections and Inventory program for Cycle Years 2020 - 2023 in St. Joseph County	Bridge Inspections	Bridge	PE	\$171,648	\$49,912	\$221,560		2021
MACOG									
1600542	Pictometry/ Travel Demand Model	Other Type Project	Grp I STP	PL	\$65,000	\$16,250	\$81,250		2018
1600542	Clean Air Campaign - 2018	Other Type Project	CMAQ	PL	\$35,000	\$7,000	\$42,000		2018

TRANSPORTATION IMPROVEMENT PROGRAM

State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
Indiana Department of Transportation									
1296454	SR 23 0.94 mi. N of US 20 (Olive St) to 0.09 mi. S of SR 933 (Lafayette Blvd)	HMA Overlay, Preventive Maintenance	Road CN	CN	\$648,000	\$162,000	\$810,000		2018
1298407	SR 23 Bridge over St. Joseph River, 0.09 mi. N of SR 933	Bridge Deck Replacement	Bridge CN	CN	\$3,792,000	\$948,000	\$4,740,000		2018
1383183	MS MIS Helpers Program for Local Roads and Streets	Other Type Project (Miscellaneous)	Safety CSLT	PE	\$603,000	\$150,750	\$251,250		2018
1383328	US 31, From I-80 Toll Road to the Michigan State Line	HMA Overlay, Functional	Road CN	CN	\$8,000	\$2,000	\$10,000		2019
1383328	US 31, From I-80 Toll Road to the Michigan State Line	HMA Overlay, Functional	Road CSLT	CE	\$200,000	\$50,000	\$250,000		2020
1383328	US 31, From I-80 Toll Road to the Michigan State Line	HMA Overlay, Functional	Road CN	CN	\$2,380,000	\$595,000	\$2,975,000		2020
1383713	SR 331 Bridge over St. Joseph River, 0.12 mi N of SR 933	Replace Superstructure	Bridge CSLT	CE	\$420,000	\$105,000	\$525,000		2018
1383713	SR 331 Bridge over St. Joseph River, 0.12 mi N of SR 933	Replace Superstructure	Bridge ROW	RW	\$40,000	\$10,000	\$50,000		2018

State Sponsored Projects

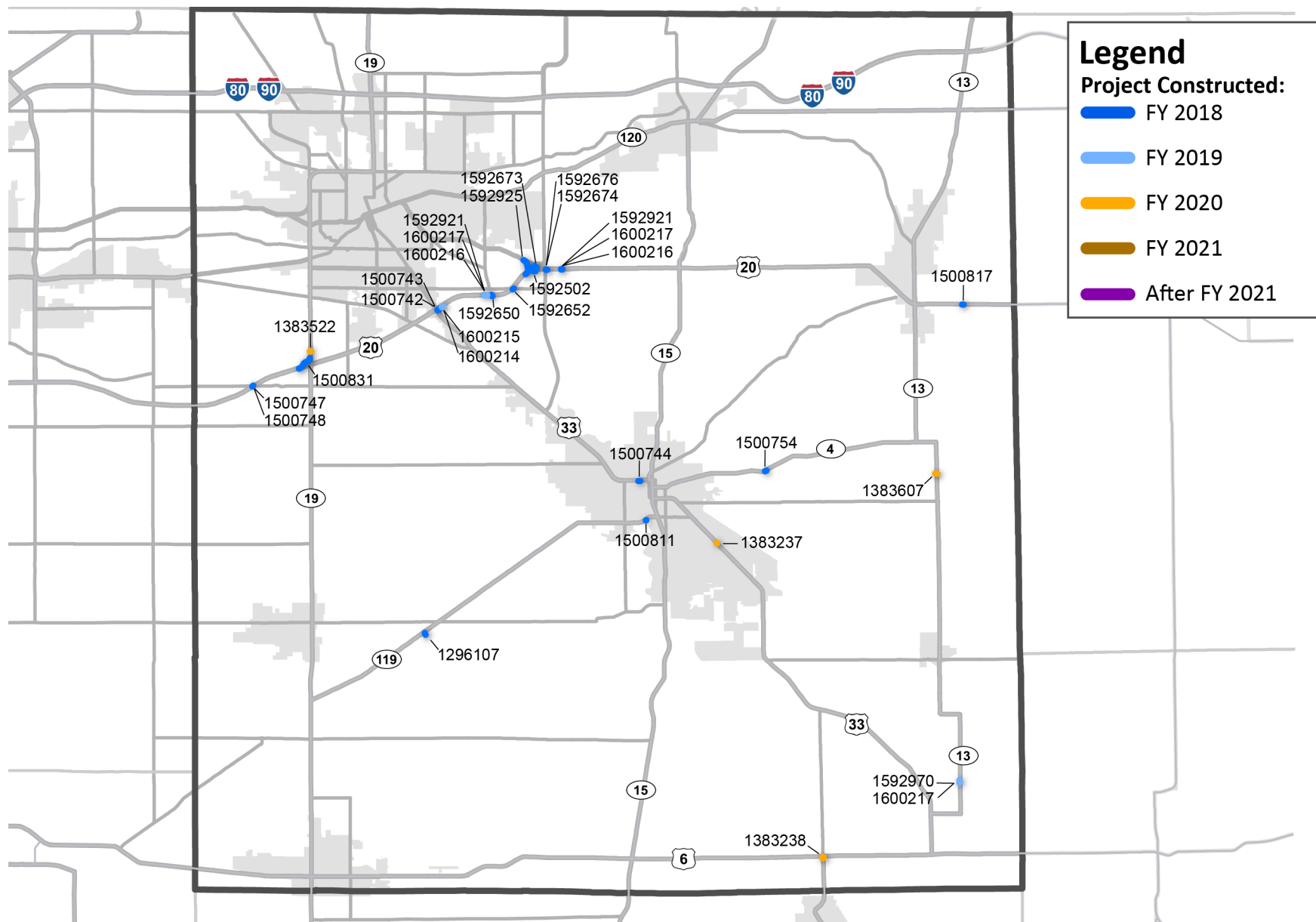
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1383713	SR 331 Bridge over St. Joseph River, 0.12 mi N of SR 933	Replace Superstructure	Bridge CN	CN	\$3,495,404	\$873,851	\$4,369,255		2018
1383733	SR 331 Bridge Over Yellow River, 2.45 mi N of US 6	Replace Superstructure	Bridge CN	CN	\$833,600	\$208,400	\$1,042,000		2019
1383733	SR 331 Bridge Over Yellow River, 2.45 mi N of US 6	Replace Superstructure	Bridge ROW	RW	\$24,000	\$6,000	\$30,000		2018
1500737	SR 331, From 0.74 mi N of SR 933 (Jefferson St) to 1.95 mi S of SR 23 (Douglas Rd)	Concrete Pavement Restoration (CPR)	ST STP	CN	\$570,400	\$142,600	\$713,000		2018
1593264	SR 4, From 0.34 mi E of SR 23 to US 31	HMA Overlay, Preventive Maintenance	ST STP	CE	\$154,000	\$38,500	\$192,500		2019
1593264	SR 4, From 0.34 mi E of SR 23 to US 31	HMA Overlay, Preventive Maintenance	ST STP	CN	\$1,759,358	\$439,839	\$2,199,197		2019
1593266	SR 933, From 0.2 mi W of SR 331 to SR 23	HMA Overlay, Preventive Maintenance	Road CN	CN	\$2,926,501	\$731,625	\$3,658,126		2019
1593266	SR 933, From 0.2 mi W of SR 331 to SR 23	HMA Overlay, Preventive Maintenance	Road CSLT	CE	\$267,680	\$66,920	\$334,600		2019

TRANSPORTATION IMPROVEMENT PROGRAM

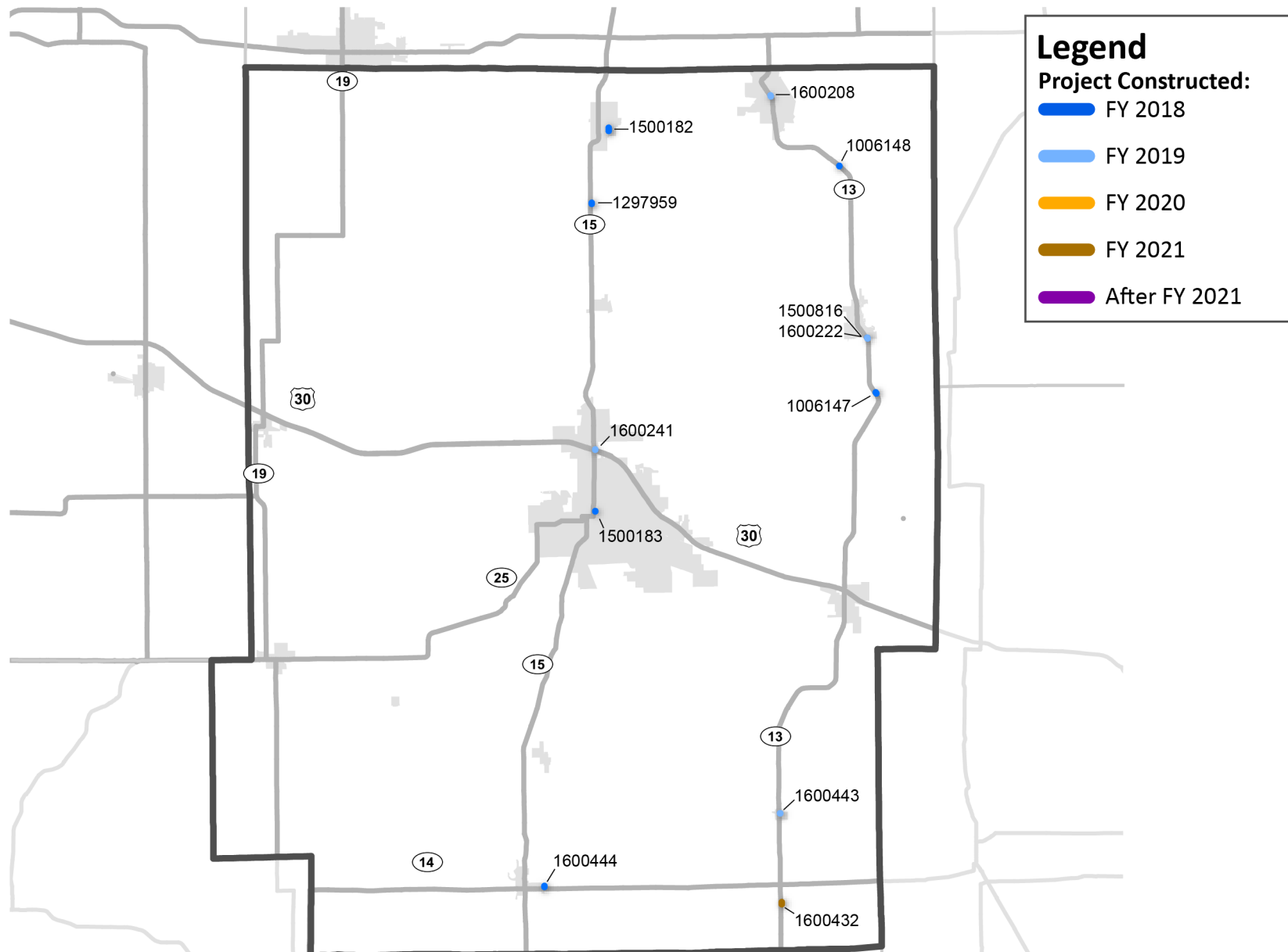
State Sponsored Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Estimated to Complete	Fiscal Year
1600030	US 20, From US 31 to St. Joseph /Elkhart Co. Line	Concrete Pavement Restoration (CPR)	NHS	CE	\$382,592	\$95,648	\$478,240		2019
1600030	US 20, From US 31 to St. Joseph /Elkhart Co. Line	Concrete Pavement Restoration (CPR)	NHS	CN	\$3,825,920	\$956,480	\$4,782,400		2019
1600544	SR 933, From SR 23 N to the S Right-of-Way Setback of the Future Marion St Roundabout	Relinquishments/ Road Transfer	Road CN	CE	\$3,544,000	\$886,000	\$4,430,000		2018
1601776	SR 331, Approx. 1000 ft South of SR 933 at CSX RR	Pumping/ Lift Station	NHS	PE	\$16,000	\$4,000	\$20,000		2018
1601776	SR 331, Approx. 1000 ft South of SR 933 at CSX RR	Pumping/ Lift Station	NHS	CN	\$400,000	\$100,000	\$500,000		2018

INDOT Ft. Wayne District: Elkhart County Grouped Projects



INDOT Ft. Wayne District: Kosciusko County Grouped Projects



INDOT Ft. Wayne District: Summary of Grouped Projects

Work Type	Phase	Federal	Match	Total
Bridge, Culvert and Small Structure Preservation	ALL	\$14,662,565	\$3,665,641	\$18,328,206
Signing, Marking, Striping and Rumble Strips	ALL	\$-	\$-	\$-
Traffic Signal System and Lighting Improvements	ALL	\$-	\$-	\$-
Median Guardrail/Cable Projects with no Change to Access	ALL	\$-	\$-	\$-
Rail Crossing Protection	ALL	\$1,620,000	\$-	\$1,620,000

Grouped Projects

Federal Regulations permit projects that are not considered to be of appropriate scale for individual listing to be combined or grouped under a single listing. Such listings are grouped by function, work type, or geographical area and must be consistent with the exempt project classification contained in EPA's Transportation Conformity Regulations (40 CFR part 93). Individual projects from the grouped project categories will be incorporated into the TIP by Administrative Modification as they are defined (in terms of project description, scope and cost) and approved.

Grouped project categories utilized by MACOG are shown above. The lists were developed cooperatively with the MPO Council, INDOT and FHWA. By listing these project types in the TIP, planning process stakeholders and the general public are informed of the types of potential projects that may be added to the TIP in the future via streamlined procedures. TIP actions for these projects will not require additional public review, demonstration of fiscal constraint, or a conformity determination (if applicable).

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT Ft. Wayne District: Elkhart County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
Bridge, Culvert and Small Structure Preservation								
1296107	SR 119 Pipeliner for Yellow Creek, 3.43 Miles East of SR 19.	Small Structure Pipe Lining	Bridge CN	CN	\$48,800	\$12,200	\$61,000	2018
1383522	Over Branch Baugo Creek, 0.22 Miles North of US 20 Bypass	Pipe Lining	NHPP	RW	\$4,000	\$1,000	\$5,000	2019
1383522	Over Branch Baugo Creek, 0.22 Miles North of US 20 Bypass	Pipe Lining	NHPP	CN	\$121,173	\$30,293	\$151,466	2020
1383607	Branch of Rock Run Creek, 2.11 Miles South of SR 4	Pipe Lining	ST STP	RW	\$4,000	\$1,000	\$5,000	2019
1383607	Branch of Rock Run Creek, 2.11 Miles South of SR 4	Pipe Lining	ST STP	CN	\$41,950	\$10,487	\$52,437	2020
1500747	Over CR 26 East Bound, 1.55 Miles West of SR 19.	Bridge Deck Overlay	NHPP	CN	\$818,960	\$204,740	1,023,700	2018
1500748	Over CR 26 West Bound, 1.55 Miles West of SR 19.	Bridge Deck Overlay	NHPP	CN	\$818,960	\$204,740	\$1,023,700	2018
1500749	Over Pine Creek, East Bound, 3.08 Miles West of SR 15.	Bridge Deck Overlay	NHPP	CN	\$388,000	\$97,000	\$485,000	2018
1500750	Over Pine Creek, West Bound, 3.08 Miles West of SR 15.	Bridge Deck Overlay	NHPP	CN	\$400,880	\$100,220	\$501,100	2018
1500751	Over Pine Creek, East Bound Ramp, 3.08 Miles West of SR 15.	Bridge Deck Overlay	NHPP	CN	\$337,200	\$84,300	\$421,500	2018
1500754	Bridge Over Hoover Ditch, 3.03 Miles East of SR 15.	Bridge Deck Overlay	ST STP	CN	\$400,720	\$100,180	\$500,900	2018

INDOT Ft. Wayne District: Elkhart County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1500811	Bridge Over Elkhart River, 0.36 Miles South of SR 15.	Bridge Maintenance And Repair	ST STP	CN	\$165,040	\$41,260	\$206,300	2018
1500817	Bridge Over Rowe-Eden Ditch, 1.25 Miles East of SR 13.	Bridge Maintenance And Repair	NHPP	CN	\$108,640	\$27,160	\$135,800	2018
1500742	Over US 33 & Conrail RxR E.B., 3.51 Miles East of SR19.	Bridge Deck Overlay	NHPP	CN	\$1,939,600	\$484,900	\$2,424,500	2018
1500743	Over US 33 & Conrail RxR W.B., 3.51 Miles East of SR19.	Bridge Thin Deck Overlay	NHPP	CN	\$653,840	\$163,460	\$817,300	2018
1500744	Over Elkhart River, 0.31 Miles North of SR 15.	Bridge Thin Deck Overlay	NHPP	CN	\$400,800	\$100,200	\$501,000	2018
1500831	US 20, Pipe Liner on Ramp from SR 19 to WB US 20 (NW Ramp)	Pipe Lining	NHPP	CN	\$72,130	\$18,033	\$90,163	2018
1592502	US 20, Bridge Painting; US 20 EB Ramp, 2.74 Miles east of US 33	Bridge Painting	NHPP	CN	\$435,752	\$108,938	\$544,690	2018
1592650	US 20, CR 115 Bridge over US 20, 1.47 Miles east of US 33	Bridge Painting	NHPP	CN	\$189,920	\$47,480	\$237,400	2018
1592652	US 20, CR 18 Bridge over US 20, 2.06 Miles east of US 33	Bridge Painting	NHPP	CN	\$319,440	\$79,860	\$399,300	2018
1592673	US 20, Bridge at US 20 NW Connector over CR 17 NW Ramp, 2.88 Miles east of US 33	Bridge Painting	NHPP	CN	\$65,760	\$16,440	\$82,200	2018
1592674	US 20, Bridge at US 20 EB Ramp over CR 17 NB/SB Ramp, 3.10 Miles east of US 33	Bridge Painting	NHPP	CN	\$207,200	\$51,800	\$259,000	2018
1592675	US 20, US 20 EB over CR 17 NB/SB, 3.10 Miles east of US 33	Bridge Painting	NHPP	CN	\$207,200	\$51,800	\$259,000	2018

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT Ft. Wayne District: Elkhart County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1592676	US 20, Bridge US 20 WB over CR 17 NB/SB, 3.10 Miles east of US 33	Bridge Painting	NHPP	CN	\$237,440	\$59,360	\$296,800	2018
1592921	US 20 over Little Elkhart River, 1.8 Miles East of SR 13, RP 107+14	Bridge Maintenance And Repair	ST STP	CN	\$44,520	\$11,130	\$55,650	2018
1592925	US 20 EB/WB, WB Ramp, 2.74 Miles East of US 33, RP 95+24	Bridge Maintenance And Repair	ST STP	CN	\$17,120	\$4,280	\$21,400	2018
1592970	SR 13 Over Dry Run, 1.56 Miles North of US 33, RP 118+04	Bridge Maintenance And Repair	ST STP	PE	\$20,000	\$5,000	\$25,000	2018
1600214	US 20 Bridge over CR 45 Eastbound Lane 0.13 Miles East of US 33	Bridge Deck Overlay	NHPP	CN	\$756,640	\$189,160	\$945,800	2019
1600215	US 20 Bridge over CR 45 Westbound Lane 0.13 Miles East of US 33	Bridge Deck Overlay	NHPP	CN	\$626,840	\$156,710	\$783,550	2019
1600216	US 20 Bridge over Elkhart River Eastbound Lane 1.35 Miles East of US 33	Bridge Deck Overlay	NHPP	CN	\$838,800	\$209,700	\$1,048,500	2019
1600217	US 20 Bridge over Elkhart River Westbound Lane 1.35 Miles East of US 33	Bridge Deck Overlay	NHPP	CN	\$838,800	\$209,700	\$1,048,500	2019
1600223	SR 13 Bridge Deck Overlay, Clean and Paint Piles; Bridge over Dry Run 1.56 Miles North of US 33	Bridge Maintenance And Repair	ST STP	CN	\$400,080	\$100,020	\$500,100	2019

INDOT Ft. Wayne District: Kosciusko County Grouped Projects

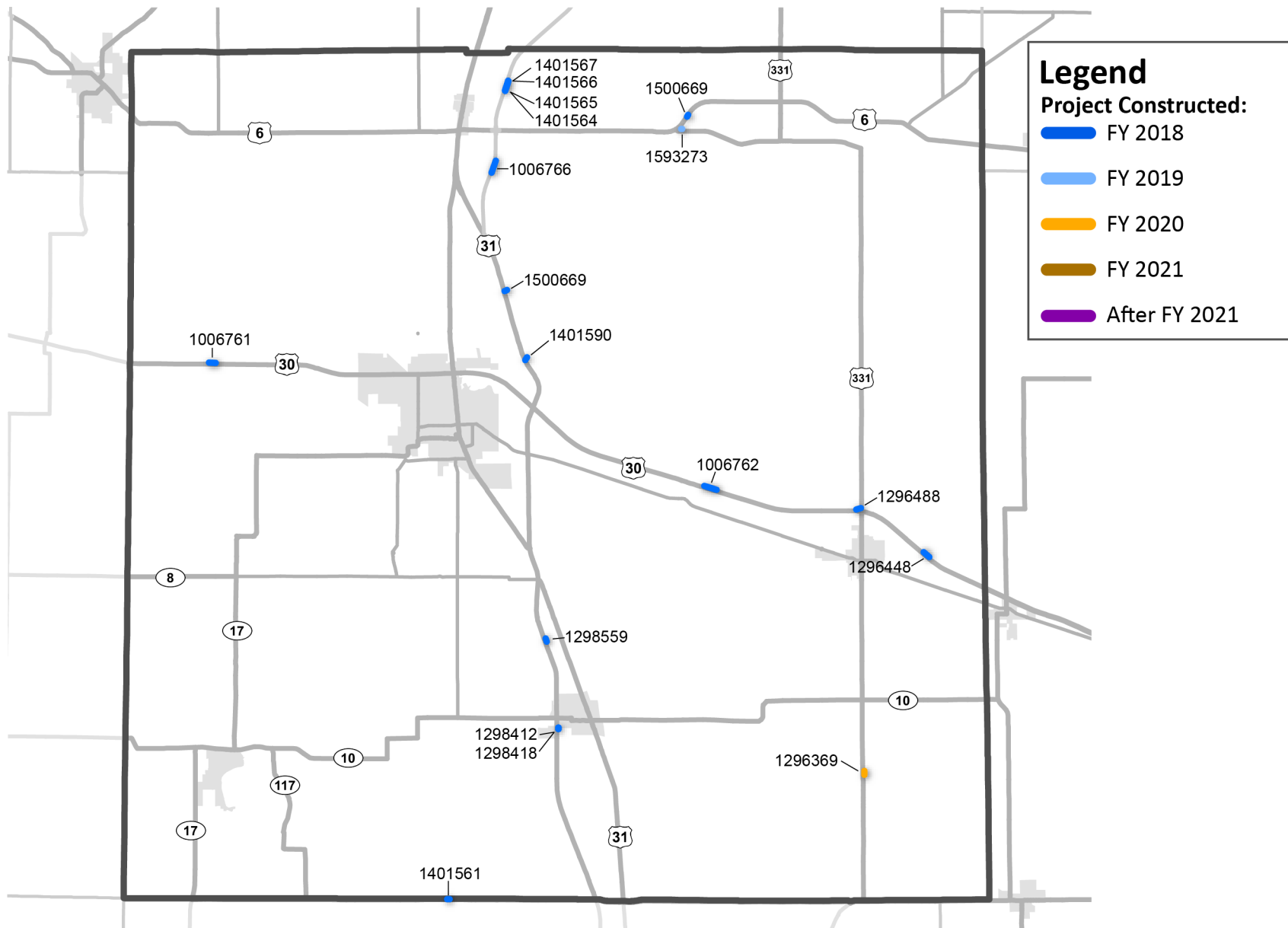
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
Bridge, Culvert and Small Structure Preservation								
1006147	SR 13 Pipeliner for Kuhn Lake Drain, 6.34 Miles North of US 30.	Small Structure Pipe Lining	Bridge CN	CN	\$31,200	\$7,800	\$39,000	2018
1006148	SR 13 Pipeliner for Drain, 13.60 Miles North of US 30.	Small Structure Pipe Lining	Bridge CN	CN	\$31,200	\$7,800	\$39,000	2018
1297959	SR 15 Small Structure Over Middleton Memorial Drain, 7.58 Miles North of US 30.	Small Structure Replacement	Bridge CN	CN	\$312,000	\$78,000	\$390,000	2018
1500816	Bridge Over Tippecanoe River, 8.02 Miles North of US 30.	Bridge Maintenance And Repair	ST STP	CN	\$173,760	\$43,440	\$217,200	2018
1600208	SR 13 Bridge over Turkey Creek 2.0 Miles South of US 6	Bridge Deck Overlay	ST STP	CN	\$114,600	\$28,650	\$143,250	2019
1600222	SR 13 Bridge over Tippecanoe River 8.02 Miles North of US 30	Bridge Deck Overlay	ST STP	CN	\$401,120	\$100,280	\$501,400	2019
1600241	US 30 Pipe Liner; Hickman Ditch, 0.02 Miles East of SR 15	Pipe Lining	NHPP	CN	\$1,668,480	\$417,120	\$2,085,600	2019
Rail Crossing Protection								
1500182	ST 1001, E Emeline St at NS RR DOT #533534P and DOT #533533H Catherine St in Milford	Railroad Protection	HSIP	CN	\$640,000	\$-	\$640,000	NA

TRANSPORTATION IMPROVEMENT PROGRAM

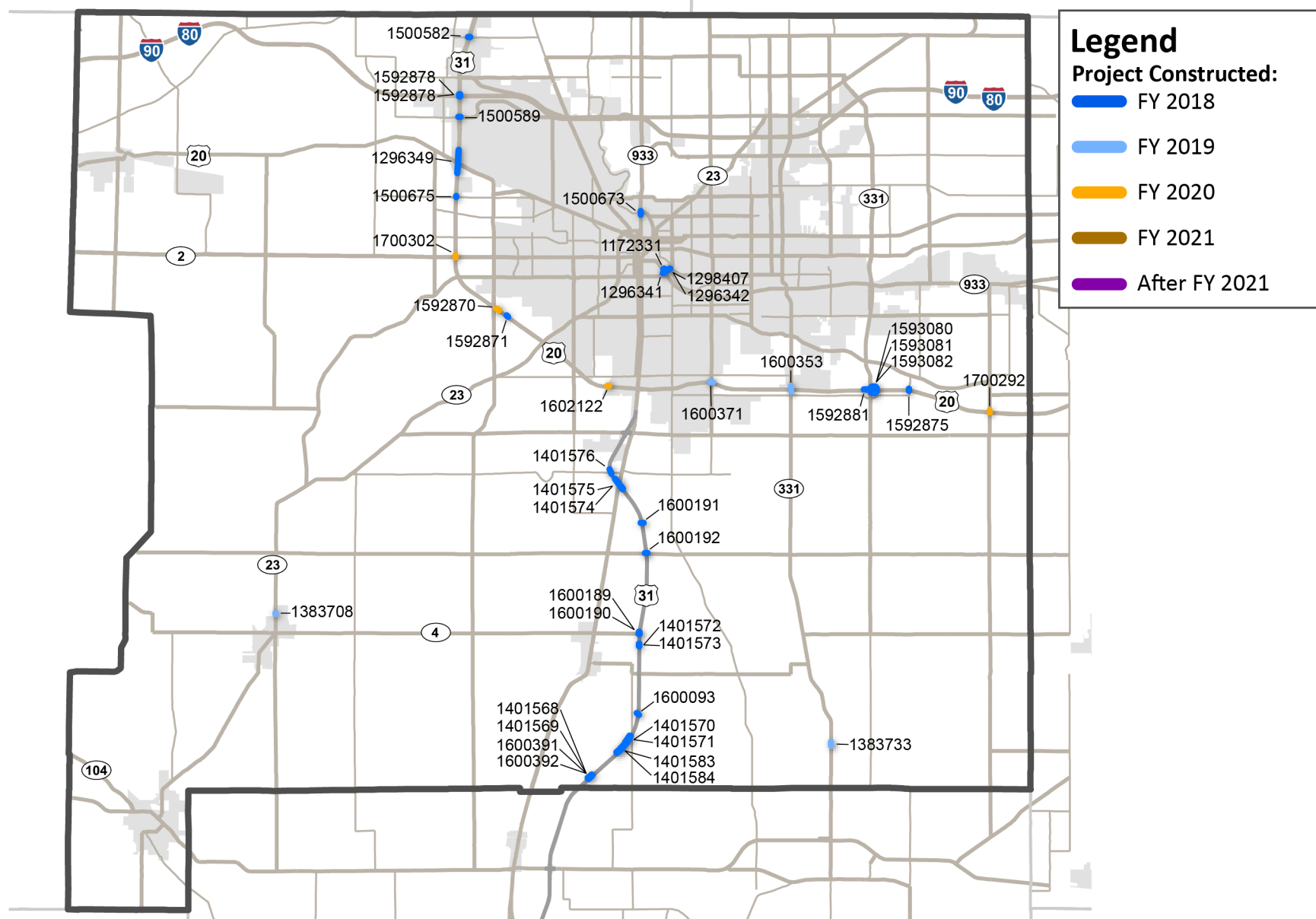
INDOT Ft. Wayne District: Kosciusko County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1500183	ST 1001, Main Street at NS RR DOT #533570K in Warsaw	Railroad Protection	HSIP	CN	\$320,000	\$-	\$320,000	NA
1600443	SR 13, SR 13 at NS RR DOT #47872U in Sidney	Railroad Protection	HSIP	PE	\$20,000	\$-	\$20,000	NA
1600443	SR 13, SR 13 at NS RR DOT #47872U in Sidney	Railroad Protection	HSIP	CN	\$320,000	\$-	\$320,000	NA
1600444	SR 14, SR 14 (E Main Street) at NS RR DOT #533597U in Silver Lake	Railroad Protection	HSIP	CN	\$320,000	\$-	\$320,000	NA

INDOT LaPorte District: Marshall County Grouped Projects



INDOT LaPorte District: St. Joseph County Grouped Projects



INDOT LaPorte District: Summary of Grouped Projects

Work Type	Phase	Federal	Match	Total
Bridge, Culvert and Small Structure Preservation	ALL	\$19,441,747	\$4,860,442	\$24,302,189
Signing, Marking, Striping and Rumble Strips	ALL	\$-	\$-	\$-
Traffic Signal System and Lighting Improvements	ALL	\$888,000	\$222,000	\$1,110,000
Median Guardrail/Cable Projects with no Change to Access	ALL	\$-	\$-	\$-
Rail Crossing Protection	ALL	\$-	\$-	\$-

Grouped Projects

Federal Regulations permit projects that are not considered to be of appropriate scale for individual listing to be combined or grouped under a single listing. Such listings are grouped by function, work type, or geographical area and must be consistent with the exempt project classification contained in EPA's Transportation Conformity Regulations (40 CFR part 93). Individual projects from the grouped project categories will be incorporated into the TIP by Administrative Modification as they are defined (in terms of project description, scope and cost) and approved.

Grouped project categories utilized by MACOG are shown above. The lists were developed cooperatively with the MPO Council, INDOT and FHWA. By listing these project types in the TIP, planning process stakeholders and the general public are informed of the types of potential projects that may be added to the TIP in the future via streamlined procedures. TIP actions for these projects will not require additional public review, demonstration of fiscal constraint, or a conformity determination (if applicable).

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT LaPorte District: Marshall County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
Bridge, Culvert and Small Structure Preservation								
1006761	US 30 4.3 mi E of SR 23	Small Structure Pipe Lining	Bridge CN	CN	\$280,000	\$70,000	\$350,000	2018
1006762	US 30 3.92 mi W of SR 331	Small Structure Pipe Lining	Bridge CN	CN	\$128,800	\$32,200	\$161,000	2018
1296369	SR 331 Bridge over Tippecanoe River, 1.83 miles S. of SR 10	Bridge Painting	Bridge CN	CN	\$531,200	\$132,800	\$664,000	2020
1296448	US 30 1.90 miles E of SR 331	Small Structure Pipe Lining	Bridge CN	CN	\$60,000	\$15,000	\$75,000	2018
1296488	US 30 0.10 miles W of SR 331, located under the northwest ramp	Small Structure Pipe Lining	Bridge CN	CN	\$60,000	\$15,000	\$75,000	2018
1298412	US 31 Bridge over N&S RR, NBL, 0.26 mi. S of SR 10	Bridge Deck Overlay	Bridge CN	CN	\$1,006,400	\$251,600	\$1,258,000	2018
1298418	US 31 Bridge over N&S RR, SBL, 0.26 mi. S of SR 10	Bridge Deck Overlay	Bridge CN	CN	\$606,400	\$151,600	\$758,000	2018
1298559	US 31 1.95 mi. N of SR-10	Small Structure Pipe Lining	Bridge CN	CN	\$96,000	\$24,000	\$120,000	2018
1401561	SR 110 3.47 mi E of SR 117 - Structure 110-25-08361 NBI 76738	Bridge Deck Sealing	Bridge CN	CN	\$8,642	\$2,160	\$10,802	2018
1401564	US 31 Over E 1st Rd. NB, 1.0 mi N of US 6 - Str# 031-50-08922 NBI 79782	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018

INDOT LaPorte District: Marshall County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1401565	US 31 Over E 1st Rd. SB, 1.0 mi N of US 6 - Str# 031-50-08923 - NBI 79786	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401566	US 31 Over Magun Arm Ditch; NB, 0.5 mi N of US 6 - Sr# 031-50-08924 NBI 79790	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401567	US 31 Over Magun Arm Ditch; SB, 0.5 mi N of US 6 - Str# 031-50-08925 NBI 79794	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401590	US 31 Plymouth Goshen Trail Over US 31, 1.32 mi N of US 30	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1500669	US 6, Over CSX RR, 0.38mi E of SR 106	Substructure Repair and Rehabilitation	Bridge CN	PE	\$28,000	\$7,000	\$35,000	2018
1500669	US 6, Over CSX RR, 0.38mi E of SR 106	Substructure Repair and Rehabilitation	Bridge CN	CN	\$195,200	\$48,800	\$244,000	2018
1593273	SR 106, Over E Branch of Bunch Ditch, 0.22mi E of US 6	Bridge Deck Overlay	STP (Bridge)	PE	\$30,000	\$7,500	\$37,500	2019
1593273	SR 106, Over E Branch of Bunch Ditch, 0.22mi E of US 6	Bridge Deck Overlay	STP (Bridge)	CN	\$200,000	\$50,000	\$250,000	2019
1600193	US 31, 6th Road	Bridge Deck Sealing	NHS	CE	\$5,887	\$1,471	\$7,358	2018
1600193	US 31, 6th Road	Bridge Deck Sealing	NHS	CN	\$47,093	\$11,773	\$58,866	2018

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT LaPorte District: St. Joseph County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
Bridge, Culvert and Small Structure Preservation								
1172331	SR 23 SR 23 Ramp, South Bank of St. Joseph River, 0.09 mi N of SR 933	Bridge Deck Overlay	Bridge CN	CN	\$240,000	\$60,000	\$300,000	2018
1296341	SR 23 Bridge over SR 933	Bridge Painting	Bridge CN	CN	\$137,600	\$34,400	\$172,000	2018
1296342	SR 23 Bridge over St Joseph River and Northside Blvd, 0.05 miles E. of SR 933	Bridge Painting	Bridge CN	CN	\$592,000	\$148,000	\$740,000	2018
1296349	US 20 Bridge US 20 at US 31, W. Jct	Straighten Beam	Bridge CSLT	CE	\$120,000	\$30,000	\$150,000	2018
1296349	US 20 Bridge US 20 at US 31, W. Jct	Straighten Beam	Bridge CN	CN	\$1,096,800	\$274,200	\$1,371,000	2018
1383708	SR 23 Bridge over Potato Creek, 0.46 mi. N of SR 4	Bridge Deck Overlay	Bridge CSLT	CE	\$36,000	\$9,000	\$45,000	2019
1383708	SR 23 Bridge over Potato Creek, 0.46 mi. N of SR 4	Bridge Deck Overlay	Bridge CN	CN	\$244,000	\$61,000	\$305,000	2019
1401568	US 31 Over Shively Ditch; NB, 0.76 mi N of SR 4 - Str# 031-71-08927 NBI 79798	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401569	US 31 Over Shively Ditch; SB, 0.76 mi N of SR 4 - Str# 031-71-08928 NBI 79802	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401570	US 31 Over Heston Ditch; NB, 3.25 mi N of US 6 - Str# 031-71-08929 NBI 79806	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018

INDOT LaPorte District: St. Joseph County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1401571	US 31 Over Heston Ditch; SB, 3.25 mi N of US 6 - Str# 031-71-08930 NBI 79810	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401572	US 31 Over Shidler - Hoffman Ditch; NB, 5.75 mi N of US 6 - Str#031-71-08940 NBI 79814	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401573	US 31 Over Shidler - Hoffman Ditch; SB, 5.75 mi N of US 6 - Str#031-71-08941 NBI 79818	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401574	US 31 Over Old US 31; NB, 3.9 mi N of SR 4 - Str# 031-71-08918 NBI 79680	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401575	US 31 Over Old US 31; SB, 3.9 mi N of SR 4 - Str# 031-71-09141 NBI 79686	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401576	US 31 Over Roosevelt Rd., 4.1 mi N of SR 4 - Str# 031-71-08942 NBI 79688	Bridge Deck Sealing	Bridge CN	CN	\$12,962	\$3,241	\$16,203	2018
1401583	US 31 Muck Trestle - Peat Area "A"; NB, 2.04 mi N of SR 4	Bridge Deck Sealing	Bridge CN	CN	\$30,506	\$7,626	\$38,132	2018
1401584	US 31 Muck Trestle - Peat Area "A"; SB, 2.04 mi N of SR 4	Bridge Deck Sealing	Bridge CN	CN	\$30,506	\$7,626	\$38,132	2018
1500582	US 31, 1.488 N of I-90 @ US 31 NB/SB (Adams Rd)	Repair or Replace Joints	Bridge CN	CN	\$56,098	\$14,024	\$70,122	2018
1500589	Bridge on Nimtz Parkway, 0.55mi S of I-90 (over US 31)	Bridge Painting	NHS	CN	\$250,746	\$62,687	\$313,433	2018

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT LaPorte District: St. Joseph County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1500673	SR 933, Over St. Joseph River, 1.59 mi N of SR 23 (Leeper Park Bridge)	Bridge Thin Deck Overlay	Bridge CSLT	CE	\$92,000	\$23,000	\$115,000	2018
1500673	SR 933, Over St. Joseph River, 1.59 mi N of SR 23 (Leeper Park Bridge)	Bridge Thin Deck Overlay	Bridge CN	CN	\$940,800	\$235,200	\$1,176,000	2018
1500675	US 20/31 EB/WB over Edison Rd, 0.85mi E of US 31	Bridge Deck Overlay	Bridge CN	CN	\$547,200	\$136,800	\$684,000	2018
1592870	US 20 Over GT&W RR, Farm Rd, 1.4mi W of SR 23, Bridge Deck Overlay and Bridge Painting.	Bridge Deck Overlay	NHS (Bridge)	PE	\$242,800	\$60,700	\$303,500	2018
1592870	US 20 Over GT&W RR, Farm Rd, 1.4mi W of SR 23, Bridge Deck Overlay and Bridge Painting.	Bridge Deck Overlay	NHS (Bridge)	CE	\$280,000	\$70,000	\$350,000	2020
1592870	US 20 Over GT&W RR, Farm Rd, 1.4mi W of SR 23, Bridge Deck Overlay and Bridge Painting.	Bridge Deck Overlay	NHS (Bridge)	CN	\$3,034,936	\$758,734	\$3,793,670	2020
1592871	US 20, 1.1mi W of SR 23, Abandoned RR/Farm Rd, Bridge Deck Overlay and Painting	Bridge Deck Overlay	NHS (Bridge)	CE	\$208,000	\$52,000	\$260,000	2018
1592871	US 20, 1.1mi W of SR 23, Abandoned RR/Farm Rd, Bridge Deck Overlay and Painting	Bridge Deck Overlay	NHS (Bridge)	CN	\$2,238,935	\$559,734	\$2,798,669	2018
1592875	US 20, 2.98mi E of SR 331, Dogwood Road	Bridge Painting	NHS (Bridge)	CE	\$60,000	\$15,000	\$75,000	2018

INDOT LaPorte District: St. Joseph County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1592875	US 20, 2.98mi E of SR 331, Dogwood Road	Bridge Painting	NHS (Bridge)	CN	\$431,802	\$107,951	\$539,753	2018
1592878	US 31, 1.69mi N of US 20, SBL over I-80/90	Bridge Thin Deck Overlay	NHS (Bridge)	CE	\$39,600	\$9,900	\$49,500	2018
1592878	US 31, 1.69mi N of US 20, SBL over I-80/90	Bridge Thin Deck Overlay	NHS (Bridge)	CN	\$277,916	\$69,479	\$347,395	2018
1592879	US 31, 1.69mi N of US 20, NBL over I-80/90	Bridge Thin Deck Overlay	NHS (Bridge)	CE	\$39,600	\$9,900	\$49,500	2018
1592879	US 31, 1.69mi N of US 20, NBL over I-80/90	Bridge Thin Deck Overlay	NHS (Bridge)	CN	\$277,916	\$69,479	\$347,395	2018
1592881	US 20, 2.81mi S SR 933, Carries SR 331 over US 20 EB/WB	Bridge Deck Overlay	Bridge CSLT	CE	\$88,000	\$22,000	\$110,000	2018
1592881	US 20, 2.81mi S SR 933, Carries SR 331 over US 20 EB/WB	Bridge Deck Overlay	Bridge CN	CN	\$942,477	\$235,619	\$1,178,096	2018
1593080	US 20, 6.12mi E of US 31-Slope-wall Voiding & Repair Drains on East End Only, EBL	Substructure Repair and Rehabilitation	NHS	CE	\$7,500	\$1,875	\$9,375	2018
1593080	US 20, 6.12mi E of US 31-Slope-wall Voiding & Repair Drains on East End Only, EBL	Substructure Repair and Rehabilitation	NHS	CN	\$60,000	\$15,000	\$75,000	2018
1593081	US 20, 6.12mi E of US 31-Slope-wall Voiding & Repair Drains on East End Only, WBL	Substructure Repair and Rehabilitation	NHS	CE	\$7,500	\$1,875	\$9,375	2018
1593081	US 20, 6.12mi E of US 31-Slope-wall Voiding & Repair Drains on East End Only, WBL	Substructure Repair and Rehabilitation	NHS	CN	\$60,000	\$15,000	\$75,000	2018

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT LaPorte District: St. Joseph County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1593082	US 20, 6.12mi E of US 31-Slope-wall Voiding & Repair Drains on East End Only, DRE	Substructure Repair and Rehabilitation	NHS	CE	\$7,500	\$1,875	\$9,375	2018
1593082	US 20, 6.12mi E of US 31-Slope-wall Voiding & Repair Drains on East End Only, DRE	Substructure Repair and Rehabilitation	NHS	CN	\$60,000	\$15,000	\$75,000	2018
1600093	US 31, 0.86 mi N of Shively Rd	Bridge Deck Sealing	NHS	CE	\$3,467	\$867	\$4,334	2018
1600093	US 31, 0.86 mi N of Shively Rd	Bridge Deck Sealing	NHS	CN	\$30,137	\$7,534	\$37,671	2018
1600189	US 31, NB over SR 4	Bridge Deck Sealing	NHS	CE	\$4,755	\$1,189	\$5,944	2018
1600189	US 31, NB over SR 4	Bridge Deck Sealing	NHS	CN	\$38,039	\$9,510	\$47,549	2018
1600190	US 31, SB over SR 4	Bridge Deck Sealing	NHS	CE	\$4,755	\$1,189	\$5,944	2018
1600190	US 31, SB over SR 4	Bridge Deck Sealing	NHS	CN	\$38,039	\$9,510	\$47,549	2018
1600191	US 31, Under Miller Road	Bridge Deck Sealing	NHS	CE	\$5,146	\$1,286	\$6,432	2018
1600191	US 31, Under Miller Road	Bridge Deck Sealing	NHS	CN	\$41,162	\$10,291	\$51,453	2018
1600192	US 31 Under New Road	Bridge Deck Sealing	NHS	CE	\$5,085	\$1,271	\$6,356	2018
1600192	US 31 Under New Road	Bridge Deck Sealing	NHS	CN	\$40,678	\$10,169	\$50,847	2018

INDOT LaPorte District: St. Joseph County Grouped Projects

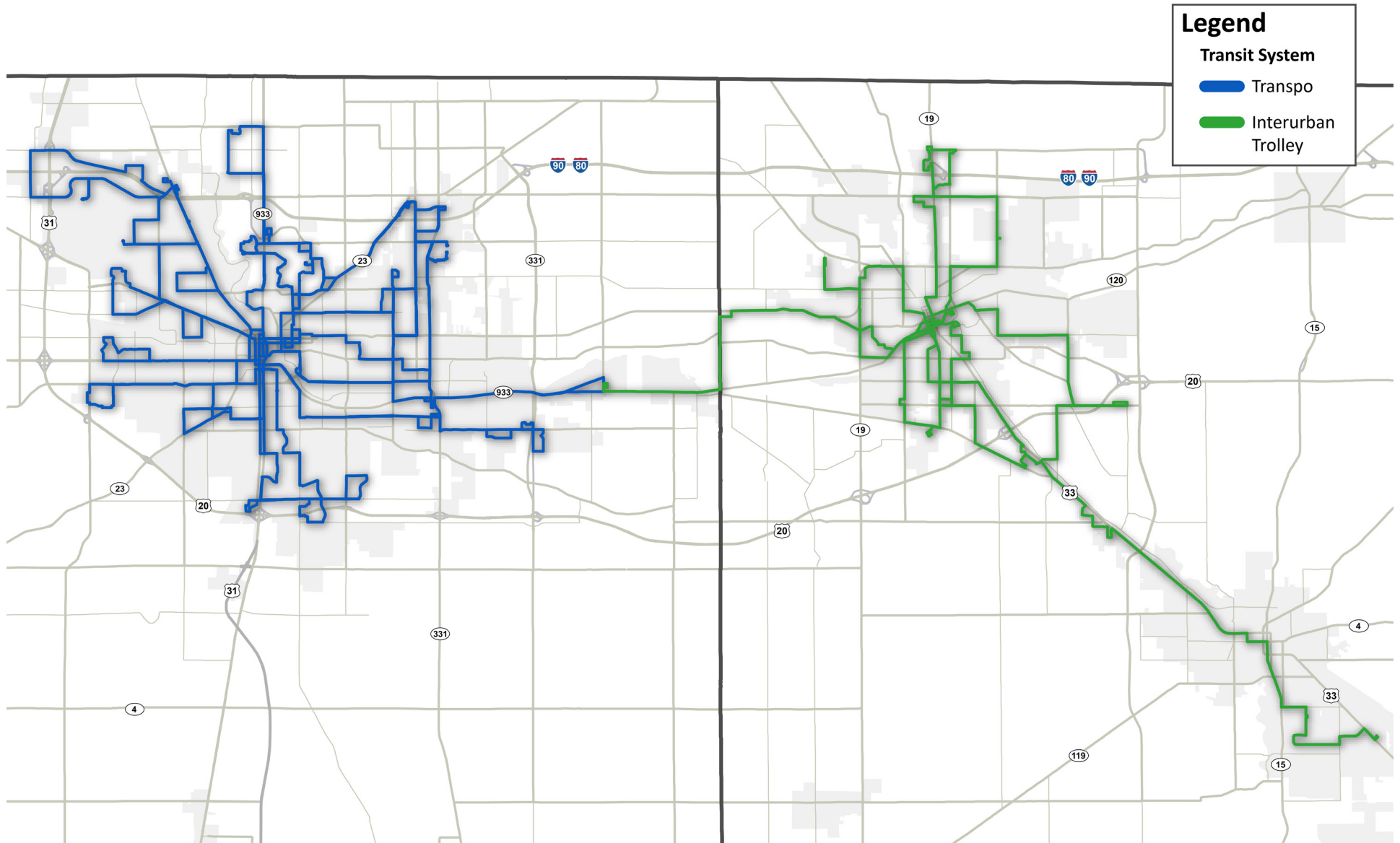
DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
1600353	SR 331 over US 20	Bridge Painting	Bridge CSLT	CE	\$88,000	\$22,000	\$110,000	2019
1600353	SR 331 over US 20	Bridge Painting	Bridge CN	CN	\$880,000	\$220,000	\$1,100,000	2019
1600371	US 20, Over Ironwood, 1.88 mi E of US 31	Bridge Deck Overlay	Bridge CSLT	CE	\$89,600	\$22,400	\$112,000	2019
1600371	US 20, Over Ironwood, 1.88 mi E of US 31	Bridge Deck Overlay	Bridge CN	CN	\$663,694	\$165,924	\$829,618	2019
1600391	US 31, NB at Peat Area "B", 3.86 mi S of SR 4	Repairs To Approach Slab	NHS (Bridge)	CN	\$40,159	\$10,040	\$50,199	2018
1600392	US 31, SB at Peat Area "A", 3.67 mi S of SR 4	Repairs To Approach Slab	NHS (Bridge)	CN	\$41,868	\$10,467	\$52,335	2018
1602122	US 20, Bridge over Conrail RR, 2.04 mi E of SR 23	Bridge Painting	Bridge	PE	\$36,936	\$9,234	\$46,170	2018
1602122	US 20, Bridge over Conrail RR, 2.04 mi E of SR 23	Bridge Painting	Bridge	CN	\$265,507	\$66,377	\$331,884	2020
1700292	US 20 Over Beech Rd, 5.1 mi E of SR 331	Bridge Painting	Bridge	PE	\$16,800	\$4,200	\$21,000	2018
1700292	US 20 Over Beech Rd, 5.1 mi E of SR 331	Bridge Painting	Bridge	CN	\$226,089	\$56,522	\$282,611	2020
1700302	US 20/31 over SR 2	Bridge Painting	Bridge	PE	\$48,960	\$12,240	\$61,200	2018
1700302	US 20/31 over SR 2	Bridge Painting	Bridge	CN	\$589,042	\$147,261	\$736,303	2020

TRANSPORTATION IMPROVEMENT PROGRAM

INDOT LaPorte District: St. Joseph County Grouped Projects

DES	Location	Work Type	Fund Type	Phase	Federal	Match	Total	Fiscal Year
Traffic Signal System and Lighting Improvements								
1600022	Signals on Various routes within St. Joseph County	Traffic Signal Modernization	ST HSIP	CE	\$80,000	\$20,000	\$100,000	2018
1600022	Signals on Various routes within St. Joseph County	Traffic Signals Modernization	ST HSIP	CN	\$808,000	\$202,000	\$1,010,000	2018

Transit Program of Projects



TRANSPORTATION IMPROVEMENT PROGRAM

Transit Program of Projects							
DES	Projects	Work Type	Fund Type	Federal	Match	Total	Fiscal Year
Elkhart-Goshen Urbanized: Interurban Trolley							
1400728	Operating Assistance	Transit Operating	5307	\$1,344,526	\$1,344,526	\$2,689,052	2018
1400729	Computer Hardware	Transit Communications Eqpt	5307	\$30,000	\$7,500	\$37,500	2018
1400730	Computer Software	Transit Communications Eqpt	5307	\$43,788	\$10,947	\$54,735	2018
1400731	Vehicle Replacement - Buses (1)	Transit Purchase Vehicles	5307	\$395,000	\$98,750	\$493,750	2018
1400732	Vehicle Replacement - Paratransit (3)	Transit Purchase Vehicles	5307	\$150,000	\$37,500	\$187,500	2018
1500575	Operating Assistance	Transit Operating	5307	\$1,344,526	\$1,344,526	\$2,689,052	2019
1500576	Computer Hardware	Transit Communications Eqpt	5307	\$30,000	\$7,500	\$37,500	2019
1500577	Computer Software	Transit Communications Eqpt	5307	\$43,788	\$10,947	\$54,735	2019
1500578	Vehicle Replacement - Buses (1)	Transit Purchase Vehicles	5307	\$395,000	\$98,750	\$493,750	2019
1500579	Vehicle Replacement - Paratransit (3)	Transit Purchase Vehicles	5307	\$150,000	\$37,500	\$187,500	2019
1700666	Operating Assistance	Transit Operating	5307	\$1,344,526	\$1,344,526	\$2,689,052	2020
1700667	Computer Hardware	Transit Communications Eqpt	5307	\$30,000	\$7,500	\$37,500	2020

Transit Program of Projects							
DES	Projects	Work Type	Fund Type	Federal	Match	Total	Fiscal Year
1700668	Computer Software	Transit Communications Eqpt	5307	\$43,788	\$10,947	\$54,735	2020
1700669	Vehicle Replacement - Buses (1)	Transit Purchase Vehicles	5307	\$395,000	\$98,750	\$493,750	2020
1700670	Vehicle Replacement - Paratransit (3)	Transit Purchase Vehicles	5307	\$150,000	\$37,500	\$187,500	2020
1700671	Operating Assistance	Transit Operating	5307	\$1,344,526	\$1,344,526	\$2,689,052	2021
1700672	Computer Hardware	Transit Communications Eqpt	5307	\$30,000	\$7,500	\$37,500	2021
1700673	Computer Software	Transit Communications Eqpt	5307	\$43,788	\$10,947	\$54,735	2021
1700674	Vehicle Replacement - Buses (1)	Transit Purchase Vehicles	5307	\$395,000	\$98,750	\$493,750	2021
1700675	Vehicle Replacement - Paratransit (3)	Transit Purchase Vehicles	5307	\$150,000	\$37,500	\$187,500	2021
South Bend Urbanized: Transpo							
1400733	Preventive Maintenance	Transit PM	5307	\$1,280,000	\$320,000	\$1,600,000	2018
1400734	Education and Training	Transit Planning	5307	\$8,000	\$2,000	\$10,000	2018
1400736	Associated Capital	Transit Operating	5307	\$80,000	\$20,000	\$100,000	2018
1400738	Tire Lease	Transit Operating	5307	\$160,000	\$40,000	\$200,000	2018

TRANSPORTATION IMPROVEMENT PROGRAM

Transit Program of Projects							
DES	Projects	Work Type	Fund Type	Federal	Match	Total	Fiscal Year
1400740	Purchase less than 30 ft Vehicles	Transit Purchase Vehicles	5307	\$80,000	\$20,000	\$100,000	2018
1400741	Operating Assistance - ADA	Transit Operating	5307	\$520,000	\$520,000	\$1,040,000	2018
1400742	Operating Assistance - Fixed Route	Transit Operating	5307	\$500,000	\$1,000,000	\$1,500,000	2018
1700308	Sunday Service Pilot	Transit Operating	CMAQ	\$400,000	\$100,000	\$500,000	2018
1500567	Preventive Maintenance	Transit PM	5307	\$1,280,000	\$320,000	\$1,600,000	2019
1700645	Purchase Office Equipment	Transit Planning	5307	\$8,000	\$2,000	\$10,000	2019
1700646	Purchase - ADP Software	Transit Operating	5307	\$40,000	\$10,000	\$50,000	2019
1700647	Rehab/Renovate Transfer Facility	Transit Operating	5307	\$100,000	\$25,000	\$125,000	2019
1500569	Associated Capital	Transit Operating	5307	\$20,000	\$5,000	\$25,000	2019
1500570	Tire Lease	Transit Operating	5307	\$85,000	\$21,250	\$106,250	2019
1500572	Purchase less than 30 ft Vehicles	Transit Purchase Vehicles	5307	\$180,000	\$45,000	\$225,000	2019
1500573	Operating Assistance - ADA	Transit Operating	5307	\$120,000	\$30,000	\$150,000	2019
1500574	Operating Assistance - Fixed Route	Transit Operating	5307	\$800,000	\$2,220,000	\$3,020,000	2019

Transit Program of Projects							
DES	Projects	Work Type	Fund Type	Federal	Match	Total	Fiscal Year
1700648	Preventive Maintenance	Transit PM	5307	\$1,280,000	\$320,000	\$1,600,000	2020
1700649	Purchase ADP Hardware	Transit Operating	5307	\$100,000	\$25,000	\$125,000	2020
1700650	Purchase- ADP Software	Transit Operating	5307	\$50,000	\$12,500	\$62,500	2020
1700653	Associated Capital	Transit Operating	5307	\$20,000	\$5,000	\$25,000	2020
1700654	Rehab/Renovate Transfer Facility	Transit Operating	5307	\$100,000	\$25,000	\$125,000	2020
1700656	Purchase less than 30 ft. Vehicles	Transit Purchase Vehicles	5307	\$20,000	\$5,000	\$25,000	2020
1700657	Operating Assistance - ADA	Transit Operating	5307	\$140,000	\$35,000	\$175,000	2020
1700658	Operating Assistance - Fixed Route	Transit Operating	5307	\$700,000	\$2,220,000	\$2,920,000	2020
1700659	Preventive Maintenance	Transit PM	5307	\$1,280,000	\$320,000	\$1,600,000	2021
1700660	Purchase- ADP Software	Transit Operating	5307	\$20,000	\$5,000	\$25,000	2021
1700661	Associated Capital	Transit Operating	5307	\$100,000	\$25,000	\$125,000	2021
1700662	Rehab/Renovate Transfer Facility	Transit Operating	5307	\$120,000	\$30,000	\$150,000	2021
1700663	Purchase less than 30 ft. Vehicles	Transit Purchase Vehicles	5307	\$40,000	\$10,000	\$50,000	2021

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Transit Program of Projects							
DES	Projects	Work Type	Fund Type	Federal	Match	Total	Fiscal Year
1700664	Operating Assistance - ADA	Transit Operating	5307	\$160,000	\$40,000	\$200,000	2021
1700665	Operating Assistance - Fixed Route	Transit Operating	5307	\$800,000	\$2,600,000	\$3,400,000	2021
South Bend Urbanized: NICTD							
1700644	NICTD Realignment at the South Bend International Airport: Engineering Study	Transit Operating	5309	\$800,000	\$200,000	\$1,000,000	2018

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MAY 2017

Michiana Area Council of Governments
227 W. Jefferson Blvd.
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South Bend, IN 46601