

FISCAL YEARS 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM

for the
Jackson Metropolitan Area
Jackson County, Michigan



Michigan Central Railroad Jackson Depot – Jackson, MI

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JACTS

JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY

Region 2 Planning Commission
120 W. Michigan Avenue
Jackson, MI 49201
517.788.4426
www.region2planning.com

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This document was prepared by the Region 2 Planning Commission in cooperation with the Michigan Department of Transportation, Jackson County Department of Transportation, Jackson Area Transportation Authority, and local jurisdictions. This report was funded in part through grants from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation. The views and opinions of the Region 2 Planning Commission expressed herein do not necessarily state or reflect those of the U. S. Department of Transportation.



Region 2 Planning Commission
120 W. Michigan Avenue
Jackson, MI 49201
517.788.4426 (voice)
517.788.4635 (fax)

www.region2planning.com

Adopted July 14, 2016

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JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY

POLICY COMMITTEE MEMBERS

Keith Acker, Sandstone Township
Todd Brittain, Leoni Township
Patrick Burtch, City of Jackson
John Feldvary, Jackson County Airport Board
David Herlein, Spring Arbor Township
Pete Jancek (Vice-Chair), Blackman Charter Township
Elwin Johnson, Region 2 Planning Commission
Mayor William Jors, City of Jackson
John Lanum, Michigan Department of Transportation
Joe Michalsky, JACTS Technical Advisory Committee
Phil Moilanen, Jackson Area Transportation Authority Board
Mike Overton, Jackson County Department of Transportation
James E. Shotwell (Chair), Jackson County Commission
Mike Trudell, Summit Township
Dan Wymer, Napoleon Township

TECHNICAL ADVISORY COMMITTEE MEMBERS

Christopher Bolt, Jackson County Department of Transportation
Michael Brown, Jackson Area Transportation Authority
Andrea Dewey (Ex-Officio), Federal Highway Administration
Jon Dowling (Vice-Chair), City of Jackson - Engineering Department
Steven Duke, Region 2 Planning Commission
Rick Fowler, Michigan Department of Transportation
Todd Knepper, Jackson Department of Public Works
Kari Martin, MDOT - University Region
Kent Maurer, Jackson County Airport
Joe Michalsky (Chair), Jackson County Department of Transportation
Mike Rand, Jackson County Department of Transportation
Jack Ripstra, Blackman Charter Township
Amy Torres, The Enterprise Group
Troy White, City of Jackson – Engineering Department

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INTRODUCTION

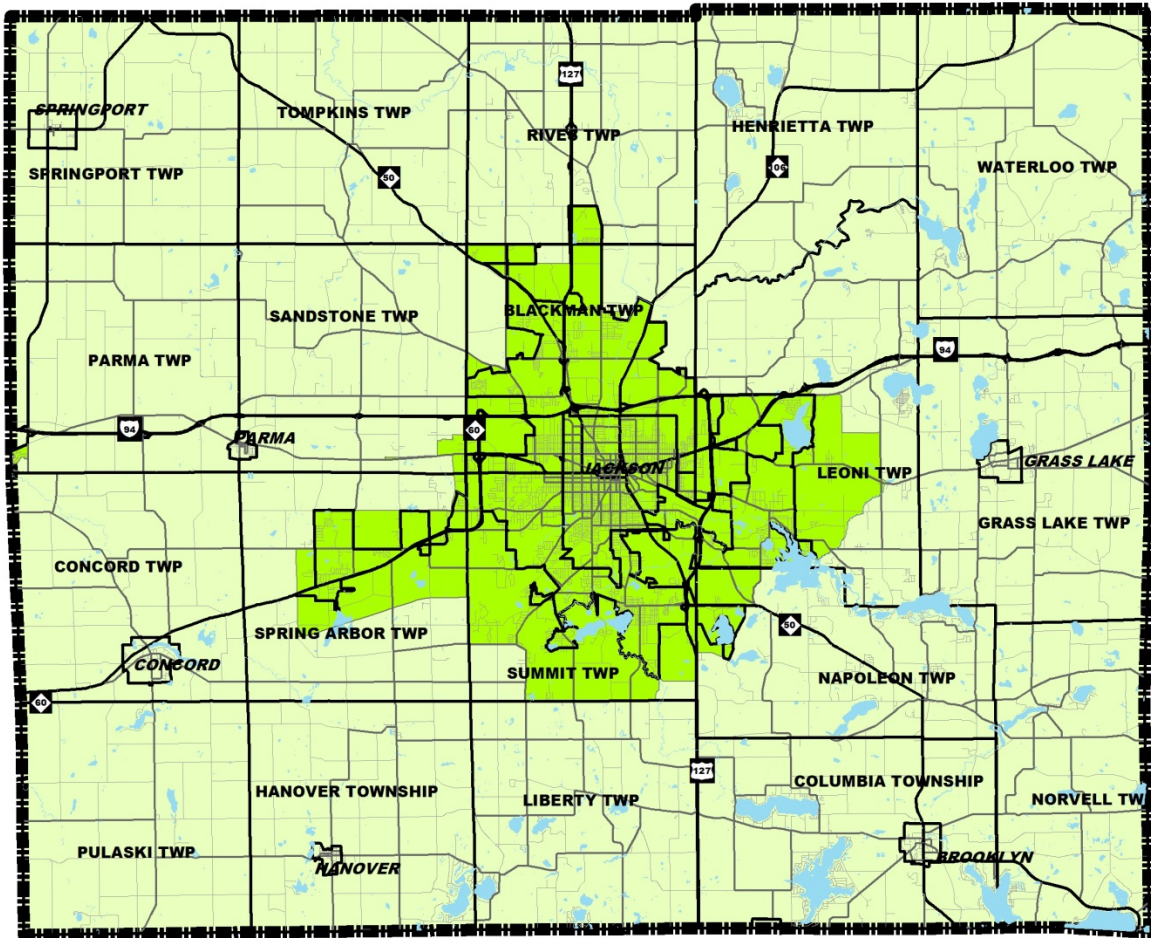
As required by the Federal Transportation Bill *Fixing America's Surface Transportation Act (FAST Act)* of 2015 and 23 USC 134(a) and (h)/FTA-Sec 8(a) and (h), the Jackson Area Comprehensive Transportation Study (JACTS), through the Region 2 Planning Commission as the state-designated Metropolitan Planning Organization (MPO), has prepared the fiscal years 2017 through 2020 Transportation Improvement Program (TIP) for the Jackson metropolitan area. The JACTS metropolitan area boundary (MAB) for the purpose of urban transportation planning activities includes the entirety of Jackson County. The 2010 U.S. Census indicated that Jackson County has a population of 160,248 persons, with 90,057 of the county's residents residing within the city of Jackson urbanized area boundary (see the map on the following page).

The Transportation Improvement Program is a management tool for structuring metropolitan transportation-related projects. The TIP is the agreed upon list of specific priority projects for Jackson County. The TIP lists all the projects that intend to use federal funds, along with any non-federally funded projects that are regionally significant. The list is multi-modal including traditional highway and public transit projects, as well as those relating to bicycles and pedestrians. It is a program and schedule of intended transportation improvements, or continuation of current activities, covering a 4-year period and must be consistent with the JACTS 2040 Long Range Transportation Plan (LRTP). The transportation plan is a 20-year plus program that considers the present and future needs of the urbanized area in relation to its transportation system. The projects programmed in the TIP are selected from the LRTP based on need, local initiative, and requirements of the FAST Act.


The FAST Act legislation further requires that the TIP include a financial analysis demonstrating that sufficient funding is available to implement the projects programmed based upon realistic estimates of available revenue, and to identify the costs, funding sources and implementation schedules associated with each transportation project. Only those projects for which construction and /or operating funds have been identified may be included in the TIP. The FAST Act also requires there be reasonable opportunity for public comment throughout the TIP development process, and that the comments and information gained through public input be considered when compiling the TIP.


The Transportation Improvement Program is developed through a cooperative planning process conducted by the Region 2 Planning Commission, as the state-designated metropolitan planning organization (MPO) for Jackson County. The transportation implementation agencies within the JACTS study area include the City of Jackson; the Villages of Brooklyn, Concord, Grass Lake, Hanover, Parma, and Springport; the Jackson County Department of Transportation; the Jackson Area Transportation Authority; and the Michigan Department of Transportation. Each of these agencies developed project lists derived from previous long and short-range transportation plans based on their adopted submittal criteria. These agencies also provided revenue/expenditure sources and amounts on an annual basis for the 4-year period. The Region 2 Planning Commission staff compiled the information into this document for presentation to the JACTS committees (Technical Advisory and Policy). The JACTS committees reviewed and prioritized the projects with respect to previously adopted JACTS standards. In following the guidelines as set forth in the JACTS Public Participation Plan, JACTS offered appropriate opportunities for interested parties and the public to comment on individual projects, or the whole program, during the development and prior to formal approval by the Region 2 Planning Commission (see Appendix B).

Map 1 - Overview Map

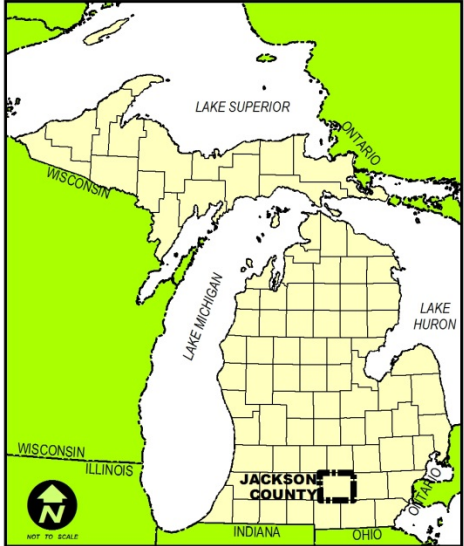



**JACKSON AREA COMPREHENSIVE
TRANSPORTATION STUDY
OVERVIEW MAP**

 JACKSON FEDERAL AID URBAN BOUNDARY (FAUB)

 JACTS METROPOLITAN AREA BOUNDARY (MAB)

Miles
0 2.5 5 7.5 10



The JACTS FY 2017-2020 Transportation Improvement Program document consists of:

- The JACTS project selection and prioritization process.
- A listing of the federally-funded and regionally-significant projects proposed for the Jackson metropolitan area (Jackson County) including highway, road, bridge, and non-motorized improvements and transit operating assistance and capital projects. For each fiscal year, the project description, proposed improvement, cost, and implementing jurisdiction are listed.
- A financial plan that demonstrates fiscal constraint between project allocations and program revenues.
- An overview of the JACTS public participation activities (see Appendix B) including the agency consultation efforts and the Environmental Justice analysis of the programmed TIP projects.

The JACTS implementing agencies that have projects programmed in the FY 2017-2020 Transportation Improvement Program have indicated that sufficient matching funds will be available to complete the federal-aid projects programmed in the FY 2017-2020 TIP. Those agencies include the City of Jackson, the Village of Brooklyn, the Village of Springport, the Jackson County Department of Transportation, the Jackson Area Transportation Authority, and the Michigan Department of Transportation.

In summary, the JACTS FY 2017-2020 TIP presents a coordinated and fiscally constrained schedule of capital improvement projects that support and strengthen economic development initiatives in Jackson County. The document identifies necessary projects for rehabilitation and reconstruction that will improve the metropolitan area's existing transportation infrastructure and provide for increased efficiency and safety. Moreover, the projects included in the JACTS FY 2017-2020 TIP reflect the community's shared goals and interests and a commitment between the participating agencies to develop and maintain the area's transportation system in a manner consistent with federal regulations.

Completed Fiscal Years 2014–2017 TIP Projects

The JACTS FY 2014-2017 Transportation Improvement Program was adopted on July 11, 2013. Per the current FAST Act legislation, under CFR 23, Section 450.324, the Transportation Improvement Program should "*list the major projects from the TIP that were implemented and any significant delays in the planned implementation of major projects.*" During the time period covering the previous FY 2014-2017 TIP, the implementing agencies have either completed, are currently underway, or have the federal funds obligated for the following projects:

Completed Major Projects

- North Street (Kennedy Street to Elm Avenue) – reconstruct
- Horton Road (City Limits to Ferguson Road) – mill and resurface, curb, drainage
- Jefferson Road (US-127 to Brooklyn Village Limits) – resurface
- Warner Road (at Kalamazoo River north branch) – bridge replacement
- Cross Road (at Kalamazoo River south branch) – bridge replacement
- US-127 (over I-94) – bridge restore and rehabilitate
- I-94 E/W (Jackson County line to West Avenue in Parma) – full-depth concrete joint repair

Completed Major Projects (continued)

- M-106 (Portage River bridge to Bunkerhill Road) – resurface
- West Avenue (Bloomfield Boulevard to High Street) – reconstruct
- Lewis Street (over the Grand River) – bridge replacement
- Wisner Street (Argyle Road to Boardman Road) – restore and rehabilitate
- Ganson Street (at Lansing Avenue) – intersection widening and signal replacement
- Fifth Street (Page Avenue to Broad Street) – resurface and streetscape project
- Moscow Road (urban boundary to south Jackson County line) – resurface
- Lansing Avenue (Henry Road to north Jackson County line) – resurface
- Boardman Road (Maynard Road to West Avenue) – resurface
- Hague Avenue (over the Grand River) – bridge replacement
- County Farm Road (Gardner Road to Parma Road) – restore and rehabilitate
- N. Main Street (M-60 to north Concord Village limit) – resurface
- Robinson Road (W. Michigan Avenue to McCain Road) – resurface
- I-94 (over Parma Road, Gibbs Road, and Blackman Road) – bridge rehabilitation
- M-50 (Napoleon Road to Stoney Lake Drain) – restore and rehabilitate
- M-50/US-127 (Michigan to Wildwood and Ganson to North) - reconstruction

Projects Delayed

- Steward Avenue (Wildwood Avenue to Lansing Avenue) – resurface

The delay on the above project is primarily the result of insufficient funding in a particular fiscal year.

JACTS

Project Selection Process

PROJECT SELECTION PROCESS

The development of the TIP requires the cooperation and coordination among several levels of local and state government, as well as citizen input (see Appendix B). Projects to be included in the TIP, whether highway or transit oriented, are proposed by the various implementing agencies and reviewed by various committees and the public prior to being recommended and approved by the JACTS Technical Advisory and Policy committees and subsequently by the Region 2 Planning Commission.

The following policy has been prepared to establish an objective method of selecting federally-funded transportation projects on the basis of local priorities.

Project selection is the responsibility of the Metropolitan Planning Organization (MPO) and, although this task is delegated to several committees, the final decision rests with the Region 2 Planning Commission as the state-designated MPO for the Jackson urbanized area.

The selection process is a progression of projects from the JACTS 2040 Long Range Transportation Plan (LRTP) and the management systems to the Transportation Improvement Program. The oversight of this process is through the Urban and Rural Transportation Improvement Program (TIP) subcommittees. The designated subcommittees are comprised of Technical Advisory Committee members representing the Act 51 agencies in Jackson County eligible to receive Urban and/or Rural Surface Transportation Program (STP) funds. Urban STP funds are only programmed on projects within the U.S. Census designated Jackson urbanized area boundary (UAB), while the Rural STP and Transportation Economic Development Fund-Category D (TEDF-D) funds are used for projects located in Jackson County outside the urbanized area boundary.

Local project selection is based on a number of factors including Committee and public input; annual average daily traffic volumes (AADT); pavement condition (PASER ratings); crash history and safety; system improvement/system completion; financial resources; and, to address capacity deficiencies as identified in the JACTS 2040 Long Range Transportation Plan.

In addition to local project selection, the JACTS committees prioritize the Urban and Rural STP projects by fiscal year and funding category prior to the finalization of the TIP. Due to the small amount of funding available for local projects, JACTS does not have an extensive or involved project prioritization process. The JACTS Technical Advisory Committee prioritizes the projects based on how each project will enhance the entire transportation system and the overall benefit to the roadway system and users in general. During this review, the amount of available local matching funds by the implementing agencies for the projects is taken into account. The Technical Advisory Committee then recommends to the Policy Committee and the Region 2 Planning Commission the prioritized projects for inclusion in the TIP. The design and subsequent scheduling of the projects for programming is the responsibility of the appropriate agency having jurisdiction over the proposed project. The JACTS committees are informed routinely by the local agencies regarding the current fiscal year's project status and availability for funding commitment.

The project activities that are funded through the local Surface Transportation Program (STP) include project construction costs and transit capital expenses. Preliminary and construction engineering costs, utility replacement or installation, right-of-way acquisition, sidewalks, etc. are not eligible expenses for reimbursement and are the responsibility of the implementing agency. In preparing plans, specifications, and estimates for all federally-funded transportation projects, all jurisdictions utilize sound engineering procedures and take into consideration improvement of the roadway surface as well as address safety concerns.

All projects programmed for funding in the TIP must include the following information:

1. Responsible agency having jurisdiction over the proposed project
2. Project name
3. Project limits
4. Project length (if appropriate)
5. Primary work type
6. Description of the proposed project
7. Project phase
8. Whether or not the project is Advance Construction or Advance Construction Conversion
9. Project costs and source(s) of funds
10. MDOT job identification number

All projects included in the TIP must also be consistent with federal, state, and local revenue projections or fund balances. Although projects may be moved among years of an approved TIP, the available revenue must remain within the fiscal year it was originally allocated. If additional federal funds are needed or requested by an agency for a previously programmed project, the implementing agency must request an amendment or an administrative adjustment to the TIP.

JACTS TIP Amendment/Administrative Modification Policy

Due to the changing nature of projects as they progress through the implementation process, the TIP may require project changes as circumstances dictate. Federal regulations (Section 23 CFR 450.326) require MPOs to have clearly defined criteria outlining the procedures for amending the TIP and procedures for making administrative modifications.

The following Amendment/Administrative Modification Policy was adopted by the Region 2 Planning Commission and the JACTS committees in April, 2007:

This section is intended to define project changes that require formal MPO action, state review, and federal approval defined as **amendments**; and those changes, or **administrative modifications**, that do not require formal approval or action by the MPO, state, or federal agencies. However, regardless of the type of change to the TIP, all modifications must be consistent with the financial constraint requirements, the JACTS 2040 Long Range Transportation Plan, Federal Title VI requirements, and the JACTS Public Participation Plan procedures for public involvement.

Amendments

A formal TIP Amendment is required by the MPO prior to obtaining Federal authorization for funding. *Amendments require formal MPO action, State review, and Federal approval.* TIP amendments are required when any of the following revisions are proposed to an approved TIP:

1. Adding a new federally-funded project to the TIP.
2. Deleting a federally-funded project from an approved TIP.
3. A major change in project cost (based on MPO policy - a cost increase or decrease equal to 30% or more of the total federal funding resulting from inflation or an incorrect engineering estimate).
4. A change in the funding source (i.e. changing a non-federally funded project to a federally-funded project).
5. A change in the project design concept or design scope (i.e. the cost of the project remains the same, however, substantially less, more, or different type of work is to be performed). This would also include adding an additional phase to a programmed project (i.e. preliminary engineering, right-of-way, construction) or as a new project; a change in the number of thru-lanes; or an adjustment to the project termini exceeding ¼ mile.

Administrative Modifications

Administrative Modifications are adjustments to an approved TIP and do not require formal approval or action by the federal agencies, the JACTS committees or the Region 2 Planning Commission. Under this policy, the JACTS program director has the authorization to approve administrative modifications to the TIP that meet any of the following criteria:

1. A minor modification in project cost amounting to less than 30% of the total federal funding source.
2. A minor change in funding source (i.e. moving from one federal funding source to another federal source).
3. Project selection (moving a project from an out year of an approved TIP to the current TIP year provided there is adequate revenue in the current year to accommodate the project; however, if there is inadequate revenue to accommodate the project in the current year, a project (or projects) must be moved to the out-year in order to off-set the cost).

(On June 11, 1998, the MPO approved a process for advancing projects in an approved TIP. Due to the uncertainty of the federal funds that may be available for programming projects in a 4-year time period, and the need to maintain flexibility in the management of the capital program, the MPO project selection process considers all federal, state, and local projects in the first 2 years of the approved TIP as being selected. Projects programmed in the out years of the TIP may be advanced with verbal approval of the MPO staff after consultation with the affected Act 51 agencies.)

4. A revision that does not require public review/comment or redemonstration of financial constraint (i.e. correction of a misprint or data entry error; a revision or clarification of a project description without changing the project scope).
5. Projects reviewed and adopted by the R2PC and the JACTS Committees and included on an Illustrative, or non-funded, project list may also be moved administratively into an adopted TIP if, and when, funding for the project is identified.

Although Administrative Modifications do not require formal federal approval, the MPO is required to notify MDOT and FHWA of any changes to the TIP list of projects and to submit a revised financial constraint table. The modifications will be submitted quarterly, or in conjunction with the next formal TIP amendment, whichever occurs first.

The JACTS Technical Advisory and Policy committees and the Region 2 Planning Commission shall be advised of any administrative modifications at their next regularly scheduled meetings for information purposes only.

JACTS

FY 2017-2020 TIP Projects

FY 2017-2020 TIP PROJECTS

The following pages include the projects proposed to be completed by the implementing agencies during the FY 2017-2020 TIP time period. The project lists mainly include those projects located on federal-aid eligible roadways and primarily funded with federal dollars. Other non-federal aid projects deemed “regionally significant” are also included in the TIP, primarily for information purposes. In addition to the road and highway projects, the lists also include the federal operating costs and capital projects programmed by the Jackson Area Transportation Authority.

Also included in the TIP are General Program Account (GPA) projects proposed by MDOT using Federal Highway Administration (FHWA) or Federal Transit Administration (FTA) funding. These projects are not considered to be of appropriate scale to be identified individually and therefore are grouped in a given program year by function, geographic area, and work type using applicable classifications. The GPA categories include: Trunkline Highway CPM/CSM (Capital Preventative Maintenance/ Capital Scheduled Maintenance), Trunkline Bridge CPM/CSM, Transportation Enhancements, Trunkline Highway Safety, Trunkline Highway Railroad Crossings, Trunkline EPE/PE/ROW, Local Bridge, Local Transportation Alternatives Program, Local Highway Safety, and Local Highway Railroad Crossings.

FAST Act Performance Measures

The FAST Act legislation requires JACTS to establish performance targets that reflect national performance goals and objectives. The National Performance goals as established in the FAST Act are as follows:

1. **Safety** – To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.
2. **Infrastructure Condition** – To maintain the highway infrastructure asset system in a state of good repair.
3. **Congestion Reduction** – To achieve a significant reduction in congestion on the National Highway System.
4. **System Reliability** – To improve the efficiency of the surface transportation system.
5. **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.
6. **Environmental Sustainability** – To enhance the performance of the transportation system while protecting and enhancing the natural environment.
7. **Reduce 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.

These measures must be coordinated with MDOT and transit providers. They must be set by JACTS within 180 days of MDOT’s or the transit agency’s establishment of performance targets. As these targets have yet to be established by MDOT, no specific performance targets are identified at this time. As targets are identified in the future, they will be incorporated in the TIP.

Acronyms

There are several acronyms included in the TIP project listing. Below is a list of the acronyms in reference to their specific field or category:

Jurisdiction

MDOT	Michigan Department of Transportation
------	---------------------------------------

Primary Work Type

GPA	General Program Account
-----	-------------------------

Phase

Con	Construction
EPE	Early Preliminary Engineering
PE	Preliminary Engineering
ROW	Right-of-Way
T-Cap	Transit Capital
T-Ops	Transit Operating

Advance Construction

AC	Advance Construction
ACC	Advance Construction Conversion

Federal Fund Source

STUL	Surface Transportation Program Urban
STL	Surface Transportation Program Rural
ST	Surface Transportation Program (any area)
EDF	Transportation Economic Development Fund-Category F
BHN	Bridge Rehabilitation (National Highway System)
IM	Interstate Maintenance
HSIP	Highway Safety Improvement Program
NH	National Highway System
HPP	High Priority Projects
STE	Surface Transportation Program Enhancement
BHO	Bridge Replacement (National Highway System)
BRO	Bridge Replacement (not classified, off-system)
BHT	Bridge Replacement (Surface Transportation Program)
5307	Transit Urbanized Area Formula
5311	Transit Non-Urbanized Area Formula
5339	Transit Buses and Bus Facilities Grant Program

State Fund Source

CTF	Comprehensive Transportation Fund
EDA	Michigan Economic Development Administration
M	Michigan (State funds)
EDD	Transportation Economic Development Funds-Category D (State)

Local Fund Source

CITY	City of Jackson
CNTY	Jackson County Department of Transportation
TRAL	Jackson Area Transportation Authority
VGL	Village

All funds listed in the TIP are in \$1000s and rounded to the nearest \$1000s

Region 2 Planning Commission FY 2017-2020 Illustrative Projects

Through the JACTS prioritization process, all projects that are unable to be funded are included in the illustrative projects list. These projects are included in the TIP document for public comment so that in the event additional revenues become available, they can be added to the funded portion of the TIP in the future. The illustrative list is not included in the financial constraint analysis for this document. The full list of projects can be found in Appendix D.

Table 1 – Region 2 Planning Commission FY 2017-2020 TIP Report

Required Fields																							
Fiscal Year	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Advance Construct.	Federal Cost (\$1,000s)	Federal Fund Source	State Cost (\$1,000s)	State Fund Source	Local Cost (\$1,000s)	Local Fund Source	Total Phase Cost (\$1,000s)	MDOT Job No.	Local ID No.	MPO/ Rural Action Date	Amendment Type	Air Quality Comments	Total Project Cost (\$1,000s)	
2017	JACKSON	City of Jackson	Kibby Rd	Cl. to West Ave	0.60	Reconstruct	Reconstruct pavement with curb repairs on boulevard islands and curb replacement on outside lanes to reduce pavement width to one lane and one bike lane in each direction.	CON		929	STUL				232	CITY	1,161	130219		10/10/13			1,161
2017	JACKSON	JCDOT	Springport Rd	Airport Road at Springport Road		Traffic ops/safety	Install countdown pedestrian signals and ADA ramps.	CON		81	HSIP				20	CNTY	101	130916					101
2017	JACKSON	JCDOT	Rives Junction Rd	Rives Junction Road from M-50 northw		Roadside facility	Construction of a non-motorized path.	CON		222	HSIP				56	CNTY	278	130917					278
2017	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		1,213	5307	1,596	CTF	1,797	TRAL	4,605			10/10/13				4,605
2017	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		99	5311	247	CTF	349	TRAL	696			10/10/13				696
2017	JACKSON	JATA	Bus Replacement	Urbanized Area		Transit vehicle additions/replacements	Replace 2 full-size buses	T-Cap		640	5339	160	CTF			800			1/9/14				800
2017	JACKSON	JCDOT	Robinson Rd	Spring Arbor to Kibby	1.20	Resurface	Cold mill, paving fabric, resurface	CON		375	STUL				94	CNTY	468	130218		10/10/13			468
2017	JACKSON	JCDOT	W Michigan Ave	W Parma Village Limit to Glasgow Rd	4.84	Restore & rehabilitate	Preventative Maintenance	CON		518	STL	138	EDD			656	130215		11/12/15				656
2017	JACKSON	JCDOT	Berry Rd and Rives Eaton Rd	Rives Eaton to Lansing and Perine to Berry	3.00	Restore & rehabilitate	Preventative Maintenance	CON		120	STL	30	EDD			150	130217		11/12/15				150
2017	JACKSON	JCDOT	E Michigan Ave	Under NS RR Bridge	0.04	Resurface	Resurface	CON		80	STL	20	EDD			100	130216		11/12/15				100
2017	JACKSON	MDOT	M-50	Pope Church Rd to Ingham/Jackson CL	6.10	Resurface	Micro-Surface, Warranty	CON		671	ST	149	M			819	129991		6/9/16				834
2017	JACKSON	MDOT	M-106	Bunkerhill Rd to 1300 ft. west of Savers Rd	1.90	Resurface	Single Course Mill and Resurface	CON		436	ST	97	M			533	129162						548
2017	JACKSON	MDOT	M-50/US-127BR	North St to Boardman Rd	0.77	Restore & rehabilitate	Longitudinal Joint Repair	CON		282	ST	63	M			345	129189						370
2017	JACKSON	MDOT	M-50	Rives Junction to Pope Church Rd	6.00	Resurface	Micro-Surface, Warranty	CON		611	ST	136	M			747	129151						761
2017	JACKSON	MDOT	I-94BL	Cooper St to Dwight St	1.20	Resurface	HMA Cold Milling and Single Course Overlay	CON		990	NH	219	M			1,209	127495						1,299
2017	JACKSON	MDOT	M-60	Chapel Rd to Emerson Rd	1.60	Resurface	Resurface/Widening with CTL	CON		7,585	ST	1,682	M			9,267	120277						10,481
2017	JACKSON	MDOT	I-94	I-94 at Elm Rd	1.50	Reconstruct	Reconstruct Interchange	SUB		452	IM	50	M			503	129153						19,799
2017	JACKSON	MDOT	I-94	I-94 at Elm Rd	1.50	Reconstruct	Reconstruct Interchange	PE		1,325	IM	147	M			1,472	129153						19,799
2017	JACKSON	MDOT	I-94 BL	Brown to Louis Glick	1.70	Reconstruct	Reconstruct	CON		6,985	NH	1,339	M	545	CITY	8,869	113565						10,434
2017	JACKSON	MDOT	M-99	Railroad St. to Jackson county line	4.40	Resurface	Single Course Micro Surface	CON		738	ST	164	M			902	129213						919
2018	JACKSON	City of Jackson	Fourth St	Audubon to Horton	0.98	Resurface	Single course mill and resurface, reconstruct roundabout at Hickory	CON		782	STUL				195	CITY	977	130214					977
2018	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		1,249	5307	1,643	CTF	1,851	TRAL	4,743							4,743
2018	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		102	5311	254	CTF	360	TRAL	716							716
2018	JACKSON	JATA	Facility Upgrades	Area-wide		Transit facility	Replace HVAC in non-admin areas of main base	T-Cap		100	5339	25	CTF			125							125
2018	JACKSON	JATA	Transit	Countywide, Jackson Area Transit Authority		Transit vehicle additions/replacements	2 Small Buses	EPE		100	STL			25	TRAL	125	119274		1/6/16				125

Table 1 (cont.) – Region 2 Planning Commission FY 2017-2020 TIP Report

Required Fields															Total Project Cost (\$1000s)							
Fiscal Year	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Advance Construct	Federal Cost (\$1000s)	State Cost (\$1000s)	State Fund Source	Local Cost (\$1000s)	Local Fund Source	Total Phase Cost (\$1000s)	MDOT Job No.	Local ID No.	MPO/ Rural Action Date	Amendment Type	Air Quality	Comments	Total Project Cost (\$1000s)
2018	JACKSON	JCDOT	W. Michigan Ave.	M-60 to Glasgow	1.15	Resurface	Cold mill and resurface	CON		320	STUL		80	CNTY	400	130213						400
2018	JACKSON	City of Jackson	Ganson Signal	at Steward		Traffic ops/safety	Reconstruct signal	CON		85	STUL		21	CITY	106	130527						106
2018	JACKSON	JCDOT	Novell Rd (Ph. 1)	E Michigan Ave to Phal Rd	2.40	Resurface	Cold Mill and Resurface	CON		502	STL		125	CNTY	627	130212		1/6/16				627
2018	JACKSON	MDOT	I-94	I-94 over Conall and THE Grand River	0.40	Bridge replacement	Realign and Replace Structure	CON		18,159	IM	M			20,177	115861						22,170
2018	JACKSON	MDOT	I-94	I-106 NB and SB (Cooper St over I-94)	0.20	Bridge replacement	Bridge Replacement and Associated Road Work	CON		12,669	IM	M			14,077	115862						17,765
2018	JACKSON	MDOT	M-106	Ganson to Porter St.	0.92	Resurface	Single Course Mill and Resurface	CON		548	NH	M			669	129154						750
2018	JACKSON	MDOT	I-94	M-60 to Sargent	8.90	Reconstruct	Reconstruct/Rehab	CON		36,948	IM	M			41,054	120273						46,054
2018	JACKSON	Village of Brooklyn	Marshall St	Village Limits to Brooklyn Rd	0.49	Resurface	Resurface	CON		116	STL		54	VLG	270	129896		1/6/16				270
2019	JACKSON	City of Jackson	Francis St	Morrell to Mason	0.20	Reconstruct	Reconstruct	CON		587	STUL		147	CITY	734	130211						734
2019	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		1,286	5307	CTF	1,906	TRAL	4,885							4,885
2019	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		105	5311	CTF	371	TRAL	738							738
2019	JACKSON	JATA	Facility Upgrades	Area-wide		Transit facility	Administrative office rehabilitation and upgrade	T-Cap		113	5339	CTF			141							141
2019	JACKSON	JCDOT	Laurence Ave	RR to Wildwood	0.24	Resurface	Cold mill and resurface	CON		200	STUL		50	CNTY	250	130210						250
2019	JACKSON	JCDOT	Laurence Ave	Wildwood to Argyle	0.51	Resurface	Cold mill and resurface	CON		400	STUL		100	CNTY	500	130209						500
2019	JACKSON	JCDOT	W Michigan Ave	West Parma VL to M-99	5.60	Restore & rehabilitate	Preventative Maintenance	CON		502	STL				710	130207		1/6/16				710
2019	JACKSON	Village of Springport	W Main St	M-99/Mechanic St to Village Limits	0.50	Resurface	Resurface	CON		216	STL		54	CNTY	270	130208		1/6/16				270
2020	JACKSON	City of Jackson	Greenwood/ Wilkins	Morrell to Jackson	0.19	Reconstruct	Reconstruct	CON		587	STUL		146	CITY	733	130206						733
2020	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		1,325	5307	CTF	1,963	TRAL	5,032							5,032
2020	JACKSON	JATA	Transit Operating	County-wide		Transit operations	Transit operating funds	T-Ops		108	5311	CTF	382	TRAL	760							760
2020	JACKSON	JATA	Facility Upgrades	Area-wide		Transit facility	Replace paint booth in Shop	T-Cap		113	5339	CTF			141							141
2020	JACKSON	JATA	Transit	Countywide, Jackson Area Transit Authority		Transit vehicle additions/replacements	2 Small Buses	EPE		100	STL		25	TRAL	125	129636		1/6/16				125
2020	JACKSON	JCDOT	Novell Rd (Ph. 2)	Phal Rd to Raby Rd	2.20	Resurface	Mill and Resurface	CON		589	STL		147	CNTY	736	129619		1/6/16				736
2020	JACKSON	JCDOT	Springport Rd	County Farm to Rives Junction	0.86	Resurface	Cold mill and resurface	CON		320	STUL		80	CNTY	400	130205						400
2020	JACKSON	JCDOT	O'Neill Dr	Airport to Dead end	0.42	Resurface	Cold mill and resurface	CON		280	STUL		70	CNTY	350	130203						350
2020	JACKSON	MDOT	M-60	EB and WB over I-94	0.27	Bridge replacement	Replacement	CON		12,858	IM	M			14,287	127537						15,812
2020	JACKSON	MDOT	I-94	I-94 at Elm Rd	1.50	Reconstruct	Reconstruct interchange	ROW		90	IM	M			100	129153						19,799
2020	JACKSON	Village of Brooklyn	S King/Tiffany/ Cement City	Chicago St to Village Limit	0.50	Reconstruct	Reconstruct	CON		29	STL		44	VLG	220	129637		1/6/16				220

FINANCIAL PLAN

Introduction

The function of the TIP Financial Plan is to manage available federal-aid highway and transit resources in a cost-effective and efficient manner. Specifically, the Financial Plan details:

1. Available highway and transit funding (federal, state, and local);
2. Fiscal constraint (cost of projects cannot exceed revenues reasonably expected to be available);
3. Expected rate of change in available funding (unrelated to inflation);
4. Year of Expenditure (YOE) factor to adjust for predicted inflation;
5. Estimate of Operations and Maintenance (O and M) costs for the federal-aid highway system (FAHS).

Available Highway and Transit Funding

The majority of federal highway and transit funding is derived from federal motor fuel taxes, which are currently 18.4 cents per gallon on gasoline and 24.4 cents per gallon on diesel. These funds are deposited in the Highway Trust Fund (HTF). A portion of these funds is retained in the Mass Transit Account of the HTF for distribution to public transit agencies and states. In recent years, the HTF has seen large infusions of cash from the federal General Fund, due to declining collections from motor fuel taxes. This is mostly due to increased fuel efficiency in conventionally-powered vehicles, as well as a growing number of hybrid and fully-electric vehicles that require little to no petroleum-based fuel.

There are a number of federal highway programs serving different purposes. Appendix A contains a list of these programs. Federal highway funds are apportioned to the states (i.e., distribution of funds according to formulas established by law) and then a portion is allocated to local agencies based on the population in each region. Local agencies within the JACTS region receive approximately \$2.0 million in federal-aid highway funding each year. In addition, the Michigan Department of Transportation (MDOT) spends approximately \$25 million annually for capital needs on state-owned highways in the region: Interstate (I) routes, United States (US) routes, and Michigan (M) routes.

Like the highway programs, there are a number of federal transit programs, the list of which can also be found in Appendix A. Transit funds are distributed according to a complex set of distribution formulas. Public transit agencies within the JACTS region receive approximately \$1.8 million in federal-aid transit funding each year.

State funding for transportation comes from motor fuel taxes and vehicle registration fees. Currently, state motor fuel taxes are set at 19 cents per gallon on gasoline and 15 cents per gallon on diesel. The state also levies a six percent sales tax on the wholesale and federal tax portion of each gallon of motor fuel. Virtually none of this sales tax revenue goes to transportation. Funding from motor fuel taxes and registration fees (but not the sales tax) is deposited in the Michigan Transportation Fund (MTF), which is analogous to the federal HTF. The current gross receipts to the MTF are approximately \$1.95 billion annually. The Comprehensive Transportation Fund (CTF) within the MTF is used for transit. Currently, a little under \$167 million is deposited by the state into the CTF each year. MTF funding, after set-asides, is distributed to the State Trunkline fund (I, US, and M designated roads) and to counties, cities, and villages throughout the state.

A series of laws enacted in November 2015 increased state funding for transportation. The Michigan House Fiscal Agency estimates that, starting in FY 2016, an additional \$455 million will be raised, increasing each year until FY 2020, when it's expected that the increase will stabilize at an additional \$1.2 billion per year.¹

Local funding is much more difficult to predict. There is a patchwork of transportation millages, special assessment districts, downtown development authorities, and other funding mechanisms throughout the region. Therefore, this Financial Plan does not attempt to quantify current non-federal funding or forecast future non-federal funding revenues, except for MTF and CTF.

Fiscal Constraint and Project Selection

The most important financial consideration when creating and/or maintaining a TIP is fiscal constraint. This means that each year's list of projects cannot exceed the amount of funding reasonably expected to be available in the fiscal year. Funding is considered "reasonably expected to be available" if the federal, state, and local funding amounts are based on amounts received in past years, with rates of change developed cooperatively between Michigan Department of Transportation (MDOT), transportation planning agencies, and public transportation agencies. Note that these rates of change are **not** the same as inflation; rather, they are forecasts of the amount of funding that will be made available by the federal, state, and local governments. In Michigan, this cooperative process is facilitated by the Michigan Transportation Planning Association (MTPA), whose members include the aforementioned agencies, plus the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). The MTPA has determined that recent federal transportation funding shortfalls make it prudent to hold federal funding levels at a two percent annual rate of increase for all four years of the FY 2017-FY 2020 TIP (see page 27).

Jackson Area Comprehensive Transportation Study (JACTS) has developed a system for determining which projects are selected for funding. Criteria can include pavement condition, traffic volumes, and number of years since last repair, and/or other factors. MDOT has a similar project selection process. Agencies throughout the state use asset management principles approved by the Michigan Transportation Asset Management Council (TAMC), whose duties are prescribed by state law. Transit agencies each select projects based on internal assessment of capital and operation needs.

Year of Expenditure (YOE)

When MDOT, Freight Advisory Committees (FAC), and public transit agencies program their projects, they are expected to adjust costs using year of expenditure (YOE) dollars. YOE simply means that project costs have been adjusted for expected inflation. This is not the same as expected rates of funding change (see previous section). Each FAC and agency has its own inflation factor(s), based on past experience. However, MDOT has developed YOE factors for itself and any agency that hasn't developed its own. For the upcoming FY 2017-FY 2020 TIP cycle, they are five percent for FY 2017 and FY 2018, 4.5 percent for FY 2019, and four percent for FY 2020 (see page 27 for more details).

¹ Hamilton, William E., Jim Stansell, and Kyle I. Jen. "Road Funding Package—Enacted Analysis." Lansing, MI, House Fiscal Agency, November 2015.

Summary: Resources available for capital needs on the federal-aid highway system

Table 1 contains a summary of the predicted resources that will be available for capital needs on the federal-aid highway system in the JACTS planning area over fiscal years 2017 through 2020. The only local (i.e., non-federal) funding included is funding required to match federal-aid funds. This is usually about 20 percent of the cost of each project.

Table 2. Forecast of Resources Available for Capital Needs on the Federal-Aid Highway System in the JACTS Planning Area

2017	2018	2019	2020
\$30,220,219	\$78,482,289	\$2,464,196	\$16,951,510

Estimate of Operations and Maintenance Costs for the Federal-Aid Highway System

Almost all federal-aid highway funding is restricted to capital costs; i.e., the cost to build and maintain the actual physical assets of the federal-aid highway system (essentially, all I, US, and M designated roads, plus most public roads functionally classified as “collector” or higher by the National Functional Class System). Operations and maintenance (O and M) costs, such as snow and ice removal, pothole patching, rubbish removal, electricity costs to operate streetlights and traffic signals, etc. are the responsibility of MDOT or local road agencies, depending on road ownership. Nevertheless, federal regulations require an estimate of O and M costs on the federal-aid highway system over the years covered by the TIP. Appendix B explains the method and assumptions used to formulate the estimate. Table 2 contains a summary O and M cost estimate for roads on the federal-aid highway system in the JACTS region. These funds are not shown in the TIP, because most highway operations and maintenance costs are not eligible for federal-aid. The amounts shown are increased by the agreed-upon estimated YOE (i.e., inflation) factors (see page 28).

Table 3. Forecast of Operations and Maintenance Costs on the Federal-Aid System in the JACTS Planning Area

2017	2018	2019	2020
\$8,839,000	\$8,943,000	\$9,049,000	\$9,156,000

Summary: Resources available for capital needs of Public Transit Agencies

Transit agencies receive their funding from a variety of sources: federal, state, and local. Federal funding is distributed, in large part, according to the population of the urbanized area and/or state. For example, Section 5307 (Urbanized Area Formula Grant) is distributed directly to large transit agencies located within the Ann Arbor, Detroit, and Toledo Transportation Management Areas (TMAs: urbanized areas with more than 200,000 residents). Section 5307 funds are distributed to federally-specified transit agencies in urbanized areas between 100,000 and 199,999 residents. For areas under 100,000 population, the state can generally award funding at its discretion.

Other sources of funding are more specialized, such as Section 5310 (Transportation for Elderly and Persons with Disabilities) and Section 5311 (for rural areas). See pages 25 and 26 for more information on federal transit resources.

The State of Michigan, through the MDOT Office of Passenger Transportation (OPT), also distributes Comprehensive Transportation Fund (CTF) funding to match federal-aid, for job access reverse commute (providing access to available employment for persons in low-income areas), and for local bus operating (LBO). LBO funds are very important to the agencies as federal-aid funding for transit, like federal-aid funding for highways, is almost entirely for capital expenses.

Local funding can come from fare box revenues, a community’s general fund, millages, and other sources. As with local highway funding, local transit funding can be difficult to predict. Therefore, this chapter will only include federal and state resources available for transit. Table 4 contains a summary of the predicted resources that will be available for capital needs (and some operations needs, depending on the program) for Jackson Area Transportation Authority (JATA) during fiscal years 2017 through 2020. Federal funding reasonably expected to be available is included. CTF funding expected to be distributed by the MDOT Office of Passenger Transportation to JATA is also included.

Table 4. Forecast of Resources Available for Public Transit Capital Needs in the JACTS Planning Area

2017	2018	2019	2020
\$6,101,000	\$5,584,000	\$5,764,000	\$5,933,000

Demonstration of Financial Constraint, FY 2017 through FY 2020

After determination of resources available for federal-aid highway and transit capital needs in the JACTS planning area from FY 2017 through FY 2020, and matching those available resources to specific needs, a four-year program of projects is created within the context of the region’s transportation policies as contained in the 2040 JACTS Long Range Transportation Plan. The list must be adjusted to each year’s YOE factor and then fiscally constrained to available revenues (see Financial and Operations and Maintenance Assumptions section on page 28). Table 5 contains a summary of the cost of highway and transit projects programmed over the four-year TIP period, matched to revenues available in that same period. This table shows that the FY 2017 through FY 2020 TIP is fiscally constrained. Note: Operations and maintenance costs of the federal-aid highway system are included in the text of this chapter. However, these costs are not included in the TIP itself, as nearly all highway operations and maintenance costs are ineligible for federal-aid funding.

Table 5. Demonstration of fiscal constraint, FY 2017 through FY 2020 TIP

	2017	2018	2019	2020
Highway Funding	\$30,220,219	\$78,482,289	\$2,464,196	\$16,951,510
Highway Programmed	\$30,220,219	\$78,482,289	\$2,464,196	\$16,951,510
Transit Funding	\$6,101,000	\$5,584,000	\$5,764,000	\$5,933,000
Transit Programmed	\$6,101,000	\$5,584,000	\$5,764,000	\$5,933,000
Total Funding	\$36,321,219	\$84,066,289	\$8,228,196	\$22,884,510
Total Programmed	\$36,321,219	\$84,066,289	\$8,228,196	\$22,884,510
Difference	0	0	0	0

Table 6. Fiscal Year 2017 Constraint - Detail				
Highway Program	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
MDOT AC & M Program			\$0	\$0
MDOT FA Program	\$20,075,737	\$4,590,273	\$24,666,010	\$24,666,010
Sub-Total MDOT	\$20,075,737	\$4,590,273	\$24,666,010	\$24,666,010
Local STP	\$2,021,461	\$513,768	\$2,535,229	\$2,535,229
Local Bridge			\$0	\$0
Local CMAQ			\$0	\$0
Local Safety	\$303,184	\$75,796	\$378,980	\$378,980
Local Equity Bonus (TEDF)			\$0	\$0
Local Other FHWA			\$0	\$0
Local AC Starts			\$0	\$0
Local Non-Federal		\$2,640,000	\$2,640,000	\$2,640,000
Sub-Total Local	\$2,324,645	\$3,229,564	\$5,554,209	\$5,554,209
Total Highway	\$22,400,382	\$7,819,837	\$30,220,219	\$30,220,219
Transit Fund Source	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
CTF - Comprehensive Transit Fund			\$0	\$0
Section 3038 - Over the Road Bus Program			\$0	\$0
Section 3045 - National Fuel Cell Technology Development Program			\$0	\$0
Section 5303 - Metropolitan Transportation Planning			\$0	\$0
Section 5304 - Statewide Transportation Planning			\$0	\$0
Section 5305 - Metropolitan and Statewide Planning			\$0	\$0
Section 5307 - UZA Formula	\$1,213,000	\$3,392,000	\$4,605,000	\$4,605,000
Section 5308 - Clean Fuels Program			\$0	\$0
Section 5309 - Capital Bus and Capital New Starts			\$0	\$0
Section 5310 - Elderly & Disabled			\$0	\$0
Section 5311 - Non-UZA	\$99,000	\$597,000	\$696,000	\$696,000
Section 5312 - Research, Development, Demonstration, and Deployment			\$0	\$0
Section 5313 - Transit Cooperative Research Program			\$0	\$0
Section 5314 - National Research and Technology Program			\$0	\$0
Section 5316 - Job Access/Reverse Commute			\$0	\$0
Section 5317 - New Freedom Initiative			\$0	\$0
Section 5320 - Alternative Transportation in Parks and Public Lands			\$0	\$0
Section 5322 - Human Resources and Training			\$0	\$0
Section 5324 - Emergency Relief			\$0	\$0
Section 5326 - Asset Management Provisions			\$0	\$0
Section 5329 - Safety			\$0	\$0
Section 5337 - State of Good Repair Grants			\$0	\$0
Section 5339 - Bus and Bus Facilities	\$640,000	\$160,000	\$800,000	\$800,000
Section 5505 - University Transportation Centers Program			\$0	\$0
Total Transit	\$1,952,000	\$4,149,000	\$6,101,000	\$6,101,000
Grand Total	\$24,352,382	\$11,968,837	\$36,321,219	\$36,321,219

Table 7. Fiscal Year 2018 Constraint - Detail

Highway Program	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
MDOT AC & M Program			\$0	\$0
MDOT FA Program	\$68,324,496	\$7,652,190	\$75,976,686	\$75,976,686
Sub-Total MDOT	\$68,324,496	\$7,652,190	\$75,976,686	\$75,976,686
Local STP	\$1,904,723	\$600,880	\$2,505,603	\$2,505,603
Local Bridge			\$0	\$0
Local CMAQ			\$0	\$0
Local Safety			\$0	\$0
Local Equity Bonus (TEDF)			\$0	\$0
Local Other FHWA			\$0	\$0
Local AC Starts			\$0	\$0
Local Non-Federal			\$0	\$0
Sub-Total Local	\$1,904,723	\$600,880	\$2,505,603	\$2,505,603
Total Highway	\$70,229,219	\$8,253,070	\$78,482,289	\$78,482,289
Transit Fund Source	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
CTF - Comprehensive Transit Fund			\$0	\$0
Section 3038 - Over the Road Bus Program			\$0	\$0
Section 3045 - National Fuel Cell Technology Development Program			\$0	\$0
Section 5303 - Metropolitan Transportation Planning			\$0	\$0
Section 5304 - Statewide Transportation Planning			\$0	\$0
Section 5305 - Metropolitan and Statewide Planning			\$0	\$0
Section 5307 - UZA Formula	\$1,249,000	\$3,494,000	\$4,743,000	\$4,743,000
Section 5308 - Clean Fuels Program			\$0	\$0
Section 5309 - Capital Bus and Capital New Starts			\$0	\$0
Section 5310 - Elderly & Disabled			\$0	\$0
Section 5311 - Non-UZA	\$102,000	\$614,000	\$716,000	\$716,000
Section 5312 - Research, Development, Demonstration, and Deployment			\$0	\$0
Section 5313 - Transit Cooperative Research Program			\$0	\$0
Section 5314 - National Research and Technology Program			\$0	\$0
Section 5316 -Job Access/Reverse Commute			\$0	\$0
Section 5317 - New Freedom Initiative			\$0	\$0
Section 5320 - Alternative Transportation in Parks and Public Lands			\$0	\$0
Section 5322 - Human Resources and Training			\$0	\$0
Section 5324 - Emergency Relief			\$0	\$0
Section 5326 - Asset Management Provisions			\$0	\$0
Section 5329 - Safety			\$0	\$0
Section 5337 - State of Good Repair Grants			\$0	\$0
Section 5339 - Bus and Bus Facilities	\$100,000	\$25,000	\$125,000	\$125,000
Section 5505 - University Transportation Centers Program			\$0	\$0
Total Transit	\$1,451,000	\$4,133,000	\$5,584,000	\$5,584,000
Grand Total	\$71,680,219	\$12,386,070	\$84,066,289	\$84,066,289

Table 8. Fiscal Year 2019 Constraint – Detail

Highway Program	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
MDOT AC & M Program			\$0	\$0
MDOT FA Program			\$0	\$0
Sub-Total MDOT	\$0	\$0	\$0	\$0
Local STP	\$1,904,753	\$559,443	\$2,464,196	\$2,464,196
Local Bridge			\$0	\$0
Local CMAQ			\$0	\$0
Local Safety			\$0	\$0
Local Equity Bonus (TEDF)			\$0	\$0
Local Other FHWA			\$0	\$0
Local AC Starts			\$0	\$0
Local Non-Federal			\$0	\$0
Sub-Total Local	\$1,904,753	\$559,443	\$2,464,196	\$2,464,196
Total Highway	\$1,904,753	\$559,443	\$2,464,196	\$2,464,196
Transit Fund Source	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
CTF - Comprehensive Transit Fund			\$0	\$0
Section 3038 - Over the Road Bus Program			\$0	\$0
Section 3045 - National Fuel Cell Technology Development Program			\$0	\$0
Section 5303 - Metropolitan Transportation Planning			\$0	\$0
Section 5304 - Statewide Transportation Planning			\$0	\$0
Section 5305 - Metropolitan and Statewide Planning			\$0	\$0
Section 5307 - UZA Formula	\$1,286,000	\$3,599,000	\$4,885,000	\$4,885,000
Section 5308 - Clean Fuels Program			\$0	\$0
Section 5309 - Capital Bus and Capital New Starts			\$0	\$0
Section 5310 - Elderly & Disabled			\$0	\$0
Section 5311 - Non-UZA	\$105,000	\$633,000	\$738,000	\$738,000
Section 5312 - Research, Development, Demonstration, and Deployment			\$0	\$0
Section 5313 - Transit Cooperative Research Program			\$0	\$0
Section 5314 - National Research and Technology Program			\$0	\$0
Section 5316 - Job Access/Reverse Commute			\$0	\$0
Section 5317 - New Freedom Initiative			\$0	\$0
Section 5320 - Alternative Transportation in Parks and Public Lands			\$0	\$0
Section 5322 - Human Resources and Training			\$0	\$0
Section 5324 - Emergency Relief			\$0	\$0
Section 5326 - Asset Management Provisions			\$0	\$0
Section 5329 - Safety			\$0	\$0
Section 5337 - State of Good Repair Grants			\$0	\$0
Section 5339 - Bus and Bus Facilities	\$113,000	\$28,000	\$141,000	\$141,000
Section 5505 - University Transportation Centers Program			\$0	\$0
Total Transit	\$1,504,000	\$4,260,000	\$5,764,000	\$5,764,000
Grand Total	\$3,408,753	\$4,819,443	\$8,228,196	\$8,228,196

Table 9. Fiscal Year 2020 Constraint - Detail				
Highway Program	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
MDOT AC & M Program			\$0	\$0
MDOT FA Program	\$12,948,366	\$1,438,707	\$14,387,073	\$14,387,073
Sub-Total MDOT	\$12,948,366	\$1,438,707	\$14,387,073	\$14,387,073
Local STP	\$1,904,753	\$659,684	\$2,564,437	\$2,564,437
Local Bridge			\$0	\$0
Local CMAQ			\$0	\$0
Local Safety			\$0	\$0
Local Equity Bonus (TEDF)			\$0	\$0
Local Other FHWA			\$0	\$0
Local AC Starts			\$0	\$0
Local Non-Federal			\$0	\$0
Sub-Total Local	\$1,904,753	\$659,684	\$2,564,437	\$2,564,437
Total Highway	\$14,853,119	\$2,098,391	\$16,951,510	\$16,951,510
Transit Fund Source	Estimated Federal Revenue	Estimated Non-Federal Revenue	Estimated Total Revenue	Total Proposed Commitments
CTF - Comprehensive Transit Fund			\$0	\$0
Section 3038 - Over the Road Bus Program			\$0	\$0
Section 3045 - National Fuel Cell Technology Development Program			\$0	\$0
Section 5303 - Metropolitan Transportation Planning			\$0	\$0
Section 5304 - Statewide Transportation Planning			\$0	\$0
Section 5305 - Metropolitan and Statewide Planning			\$0	\$0
Section 5307 - UZA Formula	\$1,325,000	\$3,707,000	\$5,032,000	\$5,032,000
Section 5308 - Clean Fuels Program			\$0	\$0
Section 5309 - Capital Bus and Capital New Starts			\$0	\$0
Section 5310 - Elderly & Disabled			\$0	\$0
Section 5311 - Non-UZA	\$108,000	\$652,000	\$760,000	\$760,000
Section 5312 - Research, Development, Demonstration, and Deployment			\$0	\$0
Section 5313 - Transit Cooperative Research Program			\$0	\$0
Section 5314 - National Research and Technology Program			\$0	\$0
Section 5316 - Job Access/Reverse Commute			\$0	\$0
Section 5317 - New Freedom Initiative			\$0	\$0
Section 5320 - Alternative Transportation in Parks and Public Lands			\$0	\$0
Section 5322 - Human Resources and Training			\$0	\$0
Section 5324 - Emergency Relief			\$0	\$0
Section 5326 - Asset Management Provisions			\$0	\$0
Section 5329 - Safety			\$0	\$0
Section 5337 - State of Good Repair Grants			\$0	\$0
Section 5339 - Bus and Bus Facilities	\$113,000	\$28,000	\$141,000	\$141,000
Section 5505 - University Transportation Centers Program			\$0	\$0
Total Transit	\$1,546,000	\$4,387,000	\$5,933,000	\$5,933,000
Grand Total	\$16,399,119	\$6,485,391	\$22,884,510	\$22,884,510

List of Available Federal-Aid Highway and Transit Resources²

Source	Purpose	Examples of Eligible
Surface Transportation Block Grant Program	Maintain and improve the federal-aid highway system.	Construction, rehabilitation, or reconstruction of highways, bridges, and tunnels; transit capital projects; infrastructure-based intelligent transportation systems (ITS) capital improvements; border infrastructure; highway and transit safety projects; traffic monitoring, management, and control facilities; non-motorized projects (including projects eligible under the former Transportation Alternatives Program; and bridge scour countermeasures.
Highway Safety Improvement Program (HSIP)	Decrease highway deaths and injuries.	Intersection safety improvements; pavement and shoulder widening; rumble strips or other warning device; improvements for pedestrian or bicyclist safety or safety of persons with disabilities; Construction and improvement of a railway-highway grade crossing safety feature, including installation of protective devices; traffic calming features; elimination of a roadside hazard; and installation, replacement, and other improvement of highway signage and pavement markings, or a project to maintain minimum levels of retroreflectivity, that addresses a highway safety problem consistent with
Congestion Mitigation and Air Quality Improvement Program (CMAQ)	Reduce emissions from transportation sources.	Installing dedicated turn lanes; signal retiming, interconnection, or actuation; constructing roundabouts; diesel retrofits; projects to reduce single-occupant vehicle travel; new or reduced-headways transit routes.
National Highway Performance Program (NHPP)	Maintain and improve the National Highway System (NHS) (i.e., the subset of the federal-aid highway system that includes roads classified as principal arterials or above).	Construction, rehabilitation, or reconstruction of highways, bridges, and tunnels; transit capital projects on the NHS; infrastructure-based intelligent transportation systems (ITS) capital improvements on the NHS; highway and transit safety projects on the NHS; certain bicycle and non-motorized activities; and Construction, rehabilitation, or reconstruction of highways, bridges, and tunnels on federal-aid highways not on the NHS, as long as they are within the same corridor as a segment of the NHS.
National Highway Freight Program	Infrastructure improvements that increase economic competitiveness and productivity; reduce congestion on the National Highway Freight Network; reduce shipping costs; and improve the safety, efficiency, and reliability of that network.	Construction, reconstruction, rehabilitation, real property and equipment acquisition, and operational improvements directly related to system performance; ITS improvements; rail/highway grade separation; geometric improvements to interchanges and ramps; truck-only lanes; climbing and runaway truck lanes; adding/widening shoulders; and truck parking facilities.

² Not intended to be an exhaustive list of all eligible activities.

Transit Resources

Source	Purpose	Examples of Eligible Activities
Sec. 5307 Urbanized Area Formula Grants	Funding for basic transit capital needs of transit agencies in urbanized areas.	Capital projects, transit planning, and projects eligible under the former Job Access Reverse Commute (JARC) program (intended to link people without transportation to available jobs). Some of the funds can also be used for operating expenses, depending on the size of the transit agency. One percent of funds received are to be used by the agency to improve security at agency facilities.
Section 5310, Elderly and Persons with Disabilities	Improving mobility options for seniors and disabled persons.	Projects to benefit seniors and disabled persons when service is unavailable or insufficient and transit access projects for disabled persons exceeding Americans with Disabilities Act (ADA) requirements. Section 5310 incorporates the former New Freedom program.
Section 5311, Non-Urbanized Area Formula Grants	Improving mobility options for residents of rural areas.	Capital, operating, and rural transit planning activities in areas under 50,000 population.
Section 5337, State of Good Repair Grants	Maintaining fixed-guideway transit systems in a state of good repair.	Capital, maintenance, and operational support projects. Recipients develop and implement an asset management plan. Half of Section 5337 funding is distributed by a formula accounting for vehicle revenue miles and directional route miles; half is based on ratios of past funding received.
Section 5339, Bus and Bus Facilities	Funding for basic transit capital needs of transit agencies, including construction of bus-related facilities.	Replace, rehabilitate, and purchase buses and related equipment, and construct bus-related facilities.

Financial and Operations and Maintenance Assumptions

Funding Growth Rates

These rates are not Year of Expenditure (i.e., YOE and inflation). Funding growth rates are the forecast of what is expected to be apportioned and/or allocated to the state and the MPOs. These funds are not indexed for inflation: There is no “cost of living” adjustment. Assumptions are made based on information known at a given point in time. What we know as we develop our current estimates is:

1. Michigan has seen very little growth in its federal-aid highway apportionment over the past couple of decades. Over the past 18 fiscal years, the state’s apportionment has only increased, on average, 2.47 percent per year. In recent years the average annual change in apportionment has actually been negative, with the ten-year average at -0.30 percent and the five-year average at -1.21 percent.
2. On December 4, 2015, the FAST Act was signed into law. The FAST Act authorizes \$305 billion in federal funding for the nation’s surface transportation system over the next five years. The legislation breaks the cycle of short-term funding authorizations that have characterized the federal program for the past 10 years and, in covering nearly five full fiscal years, represents the longest surface transportation authorization bill enacted since 1998.
3. Reliance on non-transportation revenue to support investments in surface transportation is continued in the FAST Act. The FAST Act transfers \$70 billion from the federal General Fund into the federal Highway Trust Fund (HTF) to ensure that all investments in highways and transit during the next five fiscal years are fully paid for. This brings the total amount of non-transportation revenue that has supported investments from the HTF during the past seven years to nearly \$145 billion nationally.

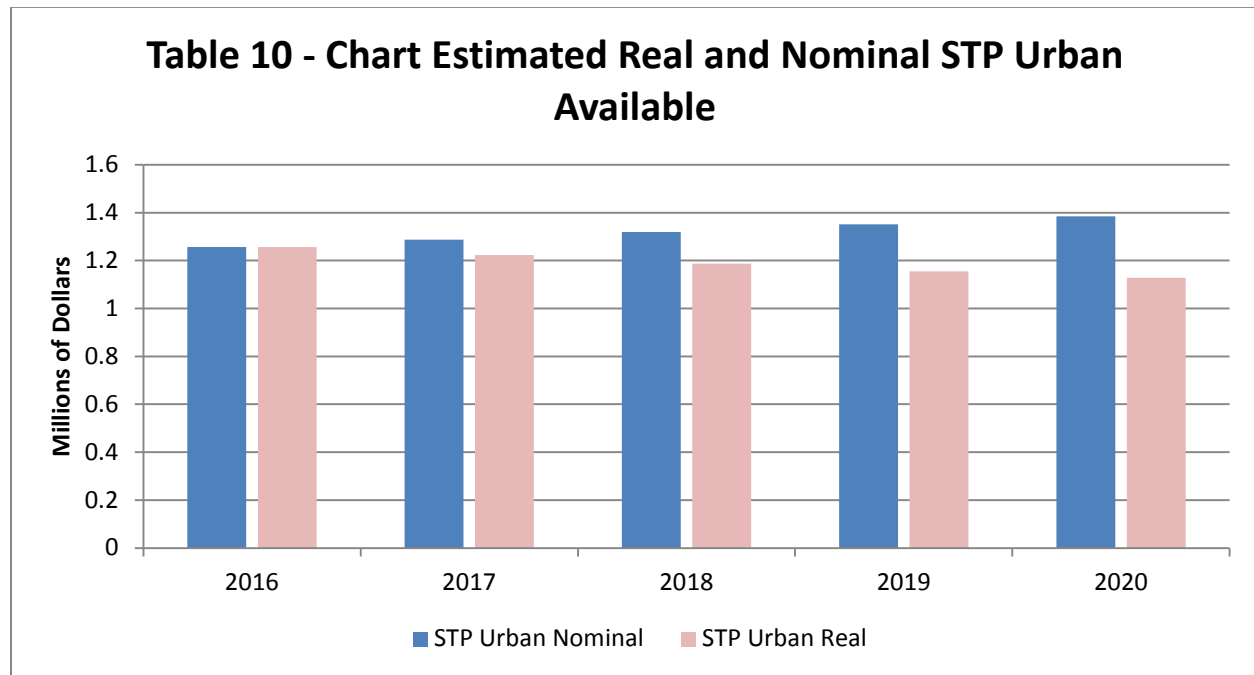
Although the FAST Act has increased funding stability over the next five fiscal years, funding increases are modest at best. In keeping with the modest increases outlined in the FAST Act, MDOT is recommending two percent per year funding increases between FY 2017 and FY 2020.

Year of Expenditure (YOE) Rates

These rates represent the forecast of how much the cost of implementing transportation projects will increase each year, on average. In other words, YOE is the expected inflation rate in the transportation agencies’ cost of doing business. YOE adjustments to project costs are essential to show the true relationship between costs and resources. In recent years, highway and transit agencies have been increasingly squeezed by this phenomenon, since the inflation rate on transportation costs has increased faster than funding growth rates. Thus, although the rate of nominal funding growth has hovered essentially around 2.47 percent, the inflation rate means that less work can be done per allocated dollar. When viewed from the point of view of purchasing power, the states and MPOs have experienced a sharp decline in funding resources. Based on past experience, MDOT, in cooperation with MTPA, will use the following YOE factors:

1. 2016, base year;
2. 2017, five percent above 2016;
3. 2018, five percent above 2017;
4. 2019, 4.5 percent above 2018; and
5. 2020, four percent above 2019.

The following chart is an example that illustrates the difference between what we will officially receive in STP Urban funding over the life of the FAST Act (i.e., nominal funding), and what that funding will be worth relative to the purchasing power of the base year (i.e., real funding).



Estimate of Operations and Maintenance (O and M) Costs on the Federal-Aid Highway System
 Repair and improvements to capital assets are only part of the total cost of the federal-aid highway system. Operations and maintenance (O and M), defined as those items (other than repair/replacement of capital assets) necessary to keep the highway infrastructure functional for vehicle travel, is just as important. Federal-aid funds cannot be used for O and M, which covers activities like grass cutting, trash removal, and snow removal. However, federal transportation planning regulations require an estimate of those costs on the federal-aid highway system.

The O and M estimate was derived in the following manner:

1. MDOT’s estimate of total O and M funding available for the state trunkline system throughout Michigan is approximately \$599 million annually.
2. The total lane miles for the entire state trunkline system is determined and used as the denominator in the fraction \$599 million/Total State Trunkline Lane Miles to determine a per-lane-mile cost.
3. Approximately 1.6 percent of the lane miles in the state trunkline system are located in the JACTS planning area.
4. Assuming a roughly equal per-lane-mile operations and maintenance cost throughout the state trunkline system, MDOT should spend approximately \$9 million annually in the JACTS planning area on these activities.
5. The per-lane-mile cost will also be applied to locally-owned roads on the federal-aid highway system.
6. The sum of costs from Steps 4 and 5 will constitute the required O and M estimate.
7. This base estimate is adjusted according to the inflation factors noted above in each fiscal year, since this is the cost of O and M, not a particular funding source.

JACTS

Public Involvement and Consultation

PUBLIC INVOLVEMENT AND CONSULTATION

The FAST Act legislation requires that there be opportunities for public involvement throughout the TIP development process. Meaningful public participation can be viewed as fundamental to the creation of planning processes and transportation decisions that fully address local and regional needs. The JACTS staff developed the *JACTS Participation Plan* (Appendix A) that was adopted in December, 2006, and updated in November, 2012 during the development of the JACTS FY 2040 Long Range Transportation Plan.

The JACTS Transportation Improvement Program (TIP), as the agreed-upon list of priority projects for the Jackson metropolitan area, serves to manage the construction, improvement, and expansion of the area's entire transportation system. To address environmental justice concerns and to communicate with as many citizens as possible, JACTS engages its public outreach program in an effort to provide a variety of opportunities to solicit input on the development of the 4-year TIP. The principle of environmental justice in the transportation planning process ensures that transportation-related projects, whether expansion or routine maintenance, do not have a disproportionately negative impact on minority and low-income populations. The FAST Act further required the MPO engage in consultation efforts with local, state, federal and private agencies in order to eliminate or minimize conflicts with other agencies' plans and maps.

The various opportunities for public comment and participation during the development of the JACTS FY 2017-2020 included the following:

- JACTS issued the FY 2017-2020 call for projects in November, 2015. Eligible participating agencies were requested to develop urban and rural federal-aid project lists for TIP Subcommittees' review and input. Agencies were also requested to obtain their Board, Commission, or Council approval prior to submitting the projects for JACTS consideration.
- Preliminary project lists were reviewed and received by the JACTS TIP Development Subcommittee at a meeting held in December, 2015.
- The project lists were reviewed and discussed at monthly meetings of the JACTS Technical Advisory Committee, Policy Committee and Region 2 Planning Commission meetings. All meetings were advertised (including the meeting agendas) in the local newspaper (*Jackson Citizen Patriot*) and on the Region 2 Planning Commission website (www.region2planning.com). Opportunity for public comment was included on all meeting agendas.
- The rural federal-aid projects (located outside the Jackson urbanized boundary but within the Metropolitan Area Boundary) included in the JACTS FY 2017-2020 TIP were reviewed and approved by the Region 2 Rural Task Force Committee (representation from Hillsdale, Jackson, and Lenawee Counties) on January 6, 2016.
- The draft TIP list of projects and a cover letter soliciting input was distributed to all agencies included on the JACTS consultation and public participation mailing list. The letter indicated methods for submitting comments and listed the dates, times, and locations of the meetings that public comments would also be accepted. The project list and public comment opportunities were also posted on the Region 2 Planning Commission website – www.region2planning.com
- The formal comment period on the draft FY 2017-2020 TIP project list began on May 20, 2016 and ended on June 20, 2016. Opportunities for public comment were also accepted at the regular JACTS Technical Advisory Committee meeting on June 14, 2016; the Region 2 Planning Commission meeting held on June 9, 2016; and, the JACTS Policy

Committee meeting held on June 16, 2016. Staff provided handouts at each meeting listing the proposed TIP projects and a location map. Written comments, phone calls, and e-mails were also accepted during this time period. No public comments were received at any of the meetings. Written comments received from the consultation agencies and the general public are acknowledged in the *Consultation* section of this Chapter.

- Formal approval of the resolution adopting the JACTS FY 2017-2020 TIP was received by the JACTS committees and the Region 2 Planning Commission at their respective meetings in July, 2016 meetings (Appendix C).

As stated above, numerous opportunities were available for input during the development of the JACTS FY 2017-2020 TIP, not only at the monthly JACTS Technical Advisory and Policy committee meetings, but also through the outreach efforts afforded to stakeholders, social service agencies and the local media.

Documentation of the JACTS public outreach activities can be found in Appendix B.

Environmental Justice Analysis

The roadway projects programmed in the JACTS FY 2017-2020 TIP must address the principles of Executive Order 12898 relating to Environmental Justice. Specifically, the plan must identify and address disproportionately high and adverse human health or environmental effects of its programs and policies on minority and low-income populations.

The basic principles addressed by the Environmental Justice analysis include:

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

The methodology undertaken to analyze that the principles are being met entailed mapping census block group areas where the low-income (poverty) and minority population concentrations exceeded the population averages for the JACTS planning area (Jackson County) as a whole, overlaying the proposed TIP projects and visually analyzing the potential impacts. The maps located at the end of this chapter are the result of this process.

Definition of “Minority” for the Purposes of Environmental Justice

According to the U.S. DOT Order 5610.2, the following groups are to be considered when conducting an Environmental Justice Analysis:

1. Black (a person having origins in any of the black racial groups of Africa)
2. Hispanic or Latino (a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race)
3. Asian American (a person having origins in any of the original people of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands)
4. American Indian and Alaskan Native (a person having origins in any of the original people of North America and who maintain cultural identification through tribal affiliation or community recognition)
5. Pacific Islander or Native Hawaiian (A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific islands. It includes people who indicate their race as 'Native Hawaiian', 'Guamanian or "Chamorro', 'Samoan', and 'Other Pacific Islander' or provide other detailed Pacific Islander responses)

According to the 2014 U.S. American Community Survey, the countywide averages for the minority populations are as follows: African American 8.9%, Hispanic 3.2%, Asian 0.6%, American Indian 0.5%, and Pacific Islanders 0.05%.

Definition of “Low Income” or “Individuals Living Below Poverty Level” for Purposes of Environmental Justice

The Office of Management & Budget (OMB) defines low income as a person whose household income is at or below the U.S. Department of Health and Human Services poverty guidelines. These guidelines are used as eligibility criteria for the Community Services Block Grant Program as well as a number of other federal assistance programs.

According to the 2014 U.S. American Community Survey, on average 16.41 percent of Jackson County’s families are in poverty status.

The analysis of potential impacts centers on 3 major areas of concern:

Disproportionately high adverse impact to low-income/minority areas: Of the 37 local and state roadway projects mapped for analysis in the JACTS FY 2017-2020 TIP, 16 projects are located within or adjacent to areas “equal to or exceeding” the county’s overall family poverty levels (please see the attached matrix and map). Total funding invested in these projects is approximately \$92.3 million, or 74.3% of road program revenues for mapped projects. These projects include all project categories including roadway reconstruction, resurfacing, as well as bridge replacements. Any environmental impacts resulting from these projects will be mitigated according to federal and state laws. During project implementation, appropriate detour routes will be maintained to minimize delay and disruption. Therefore, it has been determined that no disproportionately high adverse impacts are expected in terms of noise, right-of-way takings, etc., within these targeted areas versus the metropolitan area as a whole.

A total of 21 mapped projects are located within or adjacent to African American minority areas (please see the attached matrix and map); total funding invested in those projects is approximately \$108.2 million, or 87.1% of road program revenues for mapped projects. A total of 21 mapped projects are located within or adjacent to Hispanic minority areas; total funding invested in these projects is approximately \$102.2 million, or 82.3% of road program revenues for mapped projects. A total of 22 mapped projects are located within or adjacent to Asian minority areas; total funding invested in these projects is approximately \$88.7 million, or 71.4% of road program revenues for mapped projects. A total of 11 mapped projects are located within

or adjacent to Native American minority areas; total funding invested in these projects is approximately \$88.5 million, or 71.3% of road program revenues for mapped projects. At this time no projects are within or adjacent to Pacific Islander populations, due to the extremely low number of block groups with a significant population. A review of the project and population map shows only two rural areas with any of this race.

Minimizing/blocking access of low income/minority areas to the transportation system:

Minimizing access can be characterized as the permanent closing of streets or interchanges in order to accomplish the projects contained in the TIP. All of the projects programmed in the TIP that are located in or adjacent to the targeted low income and minority neighborhoods involve the preservation and general maintenance of existing roadways. It has been determined that there is no permanent blockage of access to the transportation system or loss of mobility as a result of implementing the FY 2017-2020 TIP projects.

Neglect of the transportation system in low income/minority areas: The JACTS study area is approximately 720 square miles and includes 19 townships and the city of Jackson. The targeted low income (% below the national poverty level) areas are mapped based on the average percentage of families in poverty (please see the attached maps). As noted earlier, there are 16 mapped projects contained in, or adjacent to, the low-income areas which represent 74.3% of project costs for mapped projects contained in the TIP. In the identified minority areas, 17 of the total mapped projects included in the TIP are located within or adjacent to neighborhoods exceeding the countywide averages. Total funding invested in these projects is approximately \$86 million. Therefore, it has been determined that there is no neglect of investment in the transportation system in the low-income and minority areas.

In addition to the road and highway projects, approximately \$23.6 million has been programmed for transit operating and capital projects in the FY 2017-2020 TIP. Public transit in Jackson County is provided by the Jackson Area Transportation Authority (JATA). The agency's fixed-route service area includes the city of Jackson and portions of the urbanized area and portions the Reserve-a-Ride program provides demand response service to all residents of the city. Reduced fares are available for the elderly, disabled and student populations. None of the projects included in the TIP restrict access of residents to the public transit system services. Therefore, it has been determined that there is no neglect, reduction or delay in the receipt of transportation benefits by those residing in low income or minority areas.

In conclusion, following adopted environmental justice procedures, this analysis finds that the proposed projects do not result in violations of Executive Order 12898. Furthermore, to supplement the analysis done here, the JACTS participation process for the FY 2017-2020 TIP made a concerted effort to reach out to the traditionally disadvantaged populations, including minority and low-income populations, to ascertain the potential effects/impacts of the proposed projects. Notices inviting public participation and comment during the project selection process were sent to area religious organizations, civic associations, business owners, media organizations, and residents located throughout the entire planning area and the identified environmental justice neighborhoods.

JACTS will continue to update and maintain the public participation mailing list, and continue to improve communication, coordination, education and involvement of the public regarding transportation planning issues in the Jackson metropolitan area.

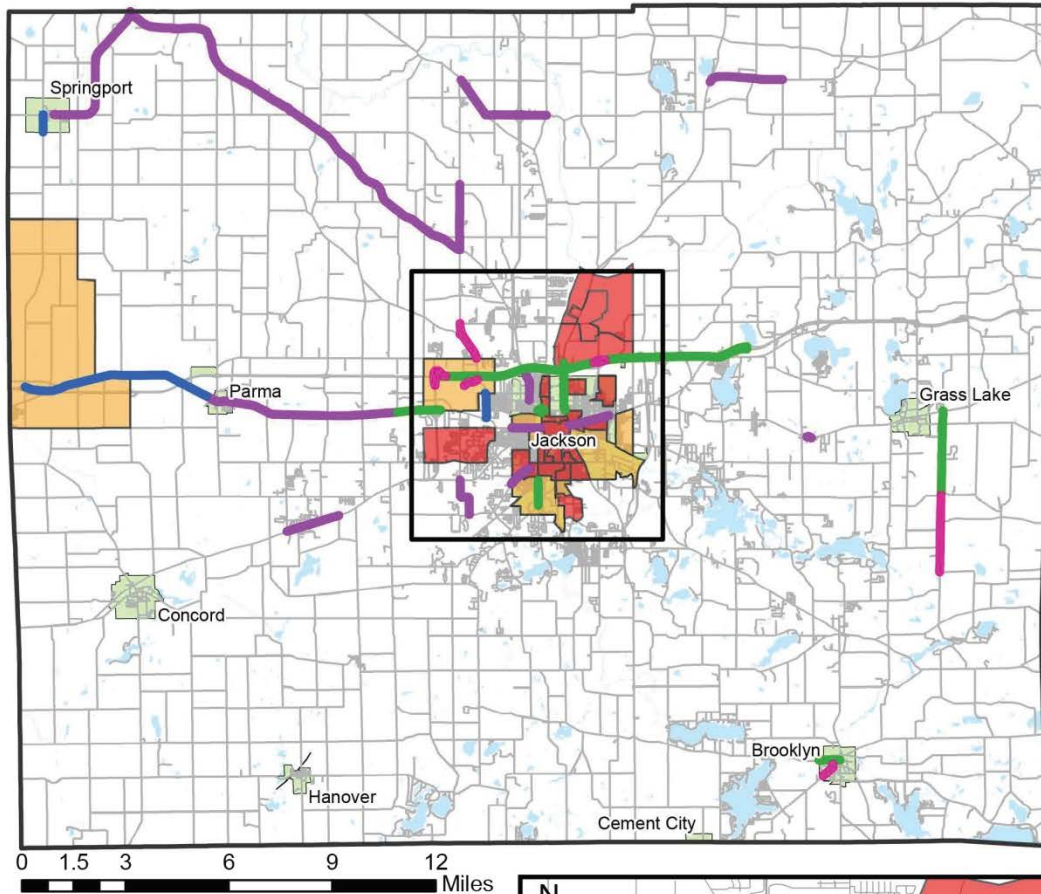
Table 11. Detailed TIP Project Lists and Environmental Justice Analysis

Year	Project	Limits	Total Cost	Black	Hispanic	Asian	Indian	Pacific Islander	Family Poverty	Total
2017	Kibby Rd	CL to West Ave	\$1,161,000	Y	Y	Y	Y	N	Y	N
2017	Springport Rd	Airport Road at Springport Road	\$101,200	Y	Y	Y	N	N	N	N
2017	Rives Junction Rd	Rives Junction Road from M-50 northerly	\$277,780	N	Y	N	N	N	N	Y
2017	Robinson Rd	Spring Arbor to Kibby	\$468,476	N	Y	Y	N	N	Y	N
2017	W Michigan Ave	W Parma Village Limit to Glasgow Rd	\$655,753	Y	N	N	Y	N	N	N
2017	Berry Rd and Rives Eaton Rd	Rives Eaton to Lansing and Perine to Berry	\$150,000	N	N	N	N	N	N	N
2017	E Michigan Ave	Under NS RR Bridge	\$100,000	N	Y	Y	N	N	N	N
2017	M-50	Pope Church Rd to Ingham/Jackson CL	\$819,478	N	N	Y	N	N	N	N
2017	M-106	Bunkerhill Rd to 1300 ft west of Sayers Rd	\$532,673	N	N	N	Y	N	N	N
2017	M-50/US-127BR	North St to Boardman Rd	\$344,532	N	Y	Y	N	N	Y	Y
2017	M-50	Rives Junction to Pope Church Rd	\$746,668	N	N	Y	N	N	N	N
2017	I-94 BL	Cooper St to Dwight St	\$1,209,336	Y	Y	N	N	N	Y	Y
2017	M-60	Chapel Rd to Emerson Rd	\$9,267,357	N	Y	Y	N	N	N	Y
2017	I-94	I-94 at Elm Rd	\$502,763	Y	Y	N	N	N	Y	Y
2017	I-94 BL	Brown to Louis Glick	\$8,869,311	Y	Y	Y	Y	N	Y	Y
2017	M-99	Railroad St. to Jackson county line	\$901,507	N	N	Y	N	N	N	N
2018	Fourth St	Audubon to Horton	\$977,000	Y	Y	Y	Y	N	Y	N
2018	W. Michigan Ave.	M-60 to Glasgow	\$400,000	Y	N	Y	N	N	N	Y
2018	Ganson Signal	at Steward	\$106,250	Y	Y	N	N	N	Y	Y
2018	Norvell Rd (Ph. 1)	E Michigan Ave to Phal Rd	\$627,153	N	N	N	N	N	N	N
2018	I-94	I-94 over Conrail and The Grand River	\$20,176,820	Y	Y	Y	Y	N	Y	Y
2018	I-94	M-106 NB and SB (Cooper St) over I-94	\$14,077,201	Y	Y	N	Y	N	Y	N
2018	M-106	Ganson to Porter St.	\$668,976	Y	Y	Y	N	N	Y	Y
2018	I-94	M-60 to Sargent	\$41,053,689	Y	Y	Y	Y	N	Y	Y
2018	Marshall St	Village Limits to Brooklyn Rd	\$270,000	N	N	Y	Y	N	N	N
2019	Francis St	Morrell to Mason	\$733,750	Y	Y	N	N	N	Y	Y

Table 11 (cont.). Detailed TIP Project Lists and Environmental Justice Analysis

Year	Project	Limits	Total Cost	Black	Hispanic	Asian	Indian	Pacific Islander	Family Poverty	Total
2019	Laurence Ave	RR to Wildwood	\$250,000	N	N	Y	N	N	N	Y
2019	Laurence Ave	Wildwood to Argyle	\$500,000	Y	Y	Y	N	N	N	Y
2019	W Michigan Ave	West Parma VL to M-99	\$710,446	Y	N	Y	N	N	Y	N
2019	W Main St	M-99 Mechanic St to Village Limits	\$270,000	N	N	Y	N	N	N	N
2020	Greenwood and Wilkins	Morrell to Jackson	\$733,000	Y	Y	N	N	N	Y	Y
2020	Norvell Rd (Ph. 2)	Phal Rd to Raby Rd	\$736,437	N	N	N	N	N	N	N
2020	Springport Rd	County Farm to Rives Junction	\$400,000	Y	Y	Y	N	N	N	Y
2020	O'Neill Dr	Airport to Dead end	\$350,000	Y	N	N	N	N	N	N
2020	M-60	EB and WB over I-94	\$14,287,073	Y	N	N	N	N	N	N
2020	I-94	I-94 at Elm Rd	\$502,763	Y	Y	N	Y	N	Y	Y
2020	S King, Tiffany, Cement City	Chicago St to Village Limit	\$220,000	N	N	Y	Y	N	N	N

Map 2 JACTS Project Overview Map / African American Minority



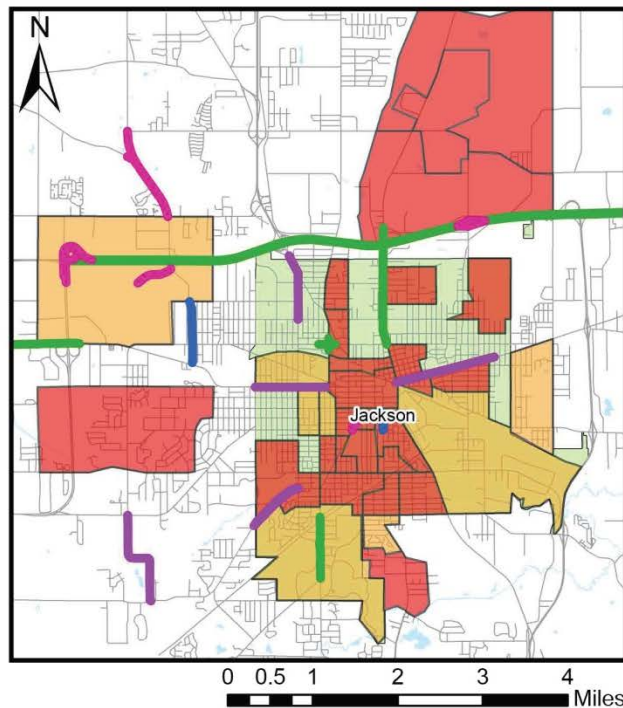
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

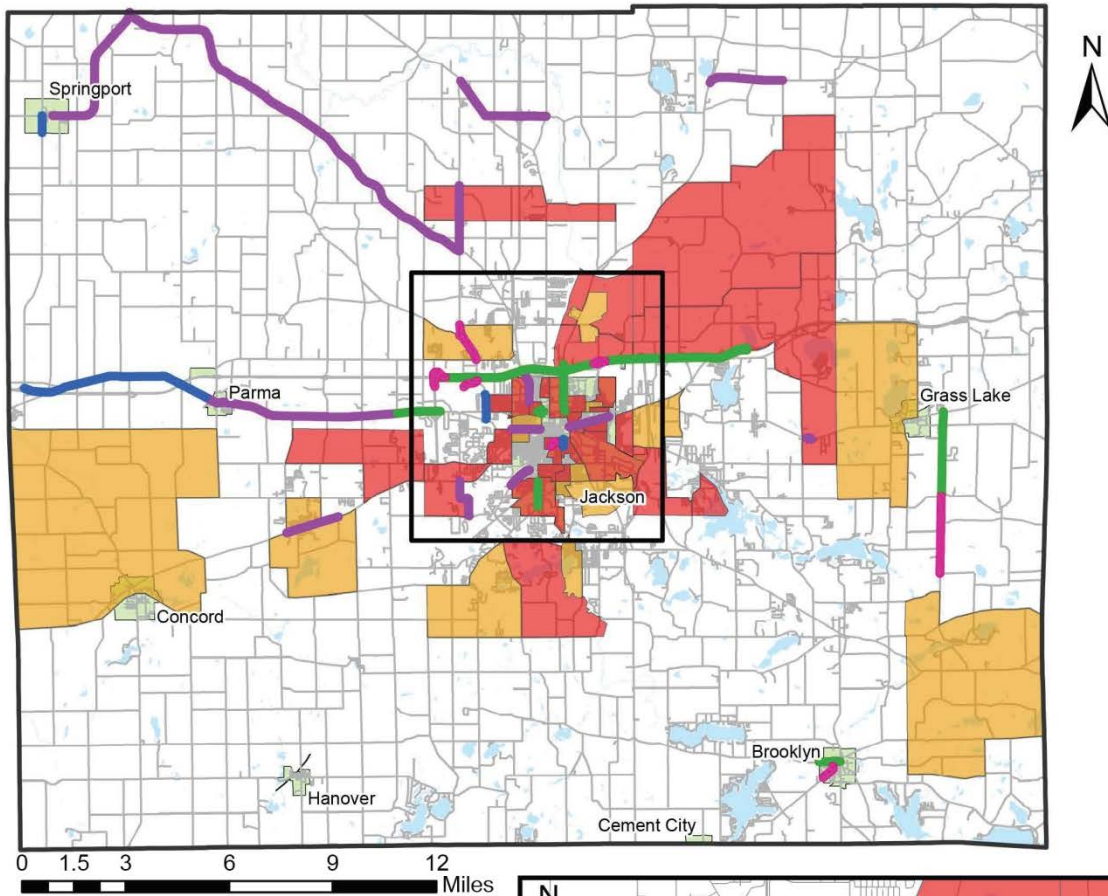
Census Block Groups

Percent African American Population 2014 ACS Data

- Below JACTS Average (<8.91%)
- Above JACTS Average (8.91%-17.82%)
- Twice JACTS Average (>17.82%)



Map 3 JACTS Project Overview Map / Hispanic Minority



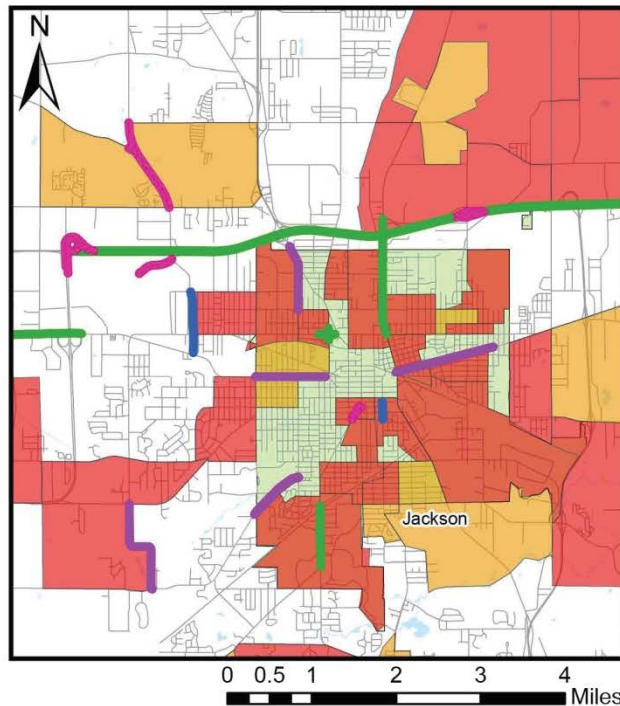
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

Census Block Groups

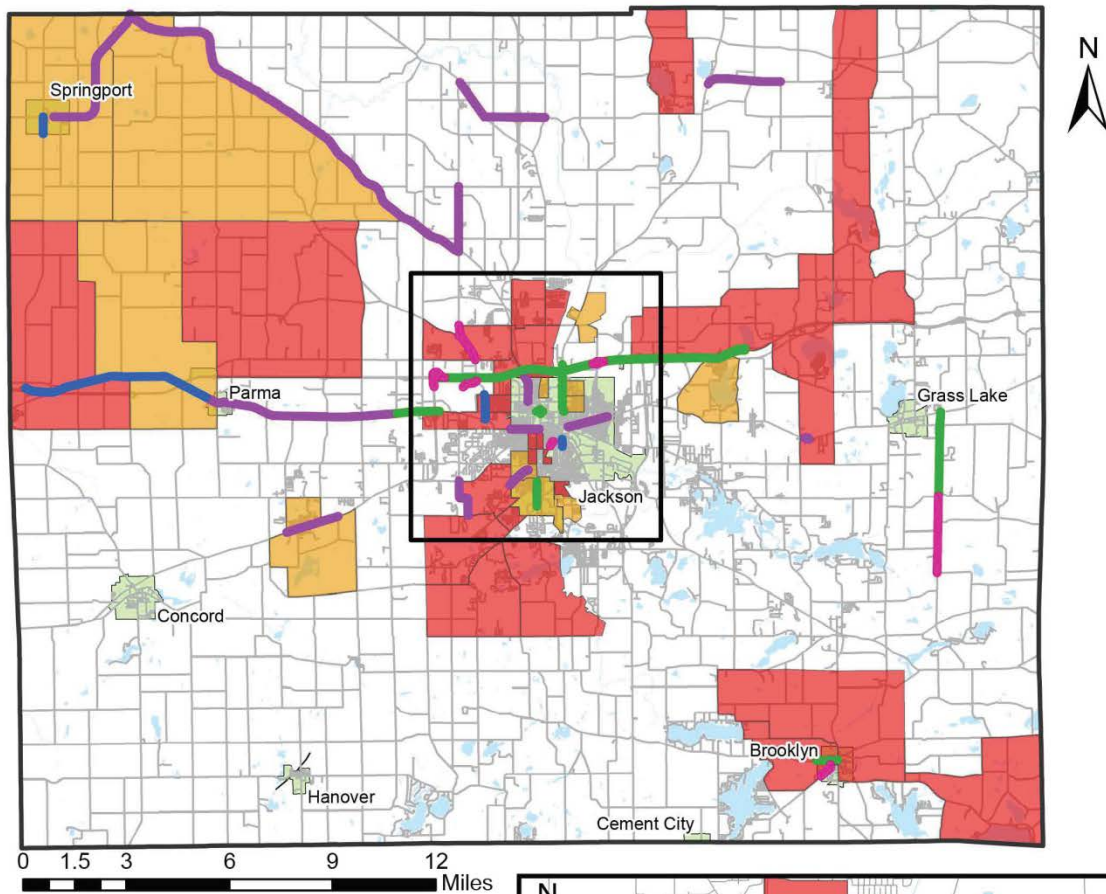
Percent Hispanic Population 2014 ACS Data

- Below JACTS Average (<3.24%)
- Above JACTS Average (3.24%-6.49%)
- Twice JACTS Average (>6.49%)



Map 4

JACTS Project Overview Map / Asian Minority



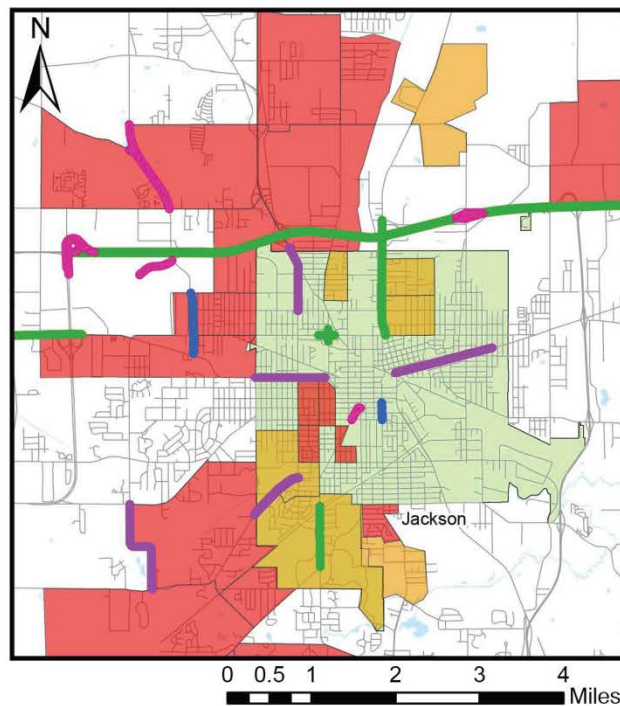
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

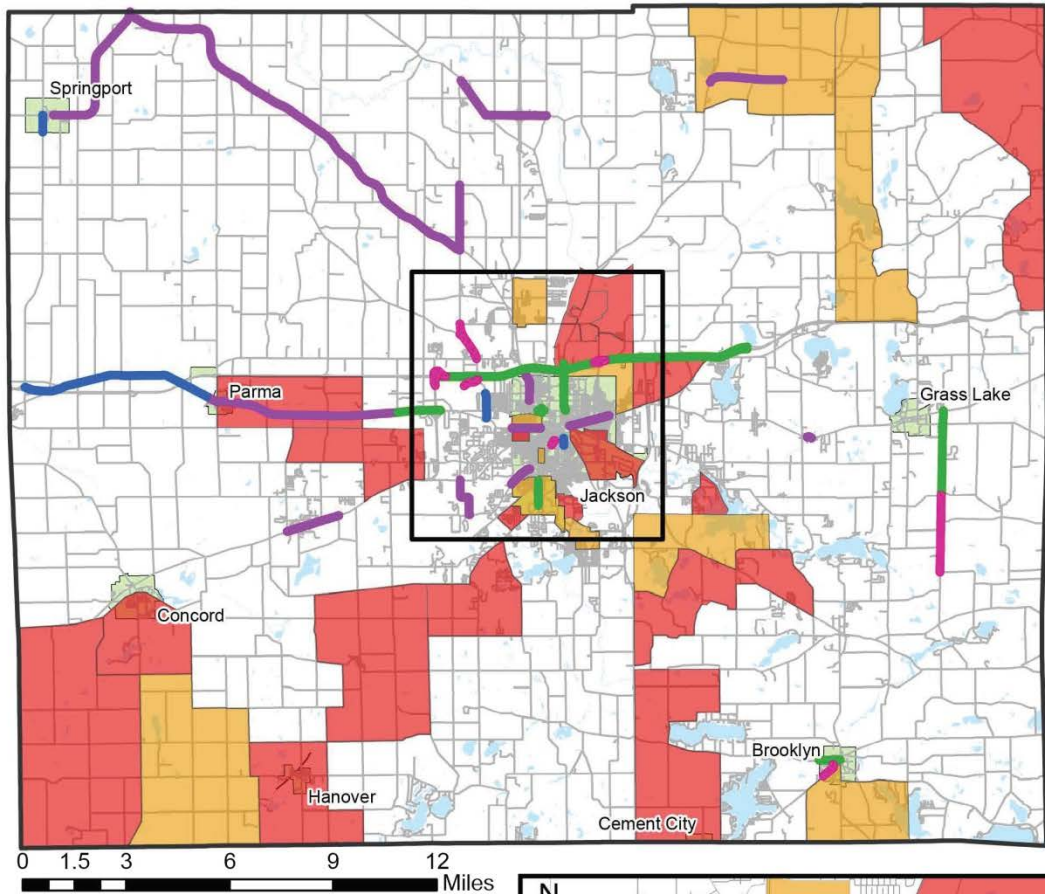
Census Block Groups

**Percent Asian Population
2014 ACS Data**

- Below JACTS Average (<0.60%)
- Above JACTS Average (0.60%-1.20%)
- Twice JACTS Average (>1.20%)



Map 5 JACTS Project Overview Map / American Indian Minority



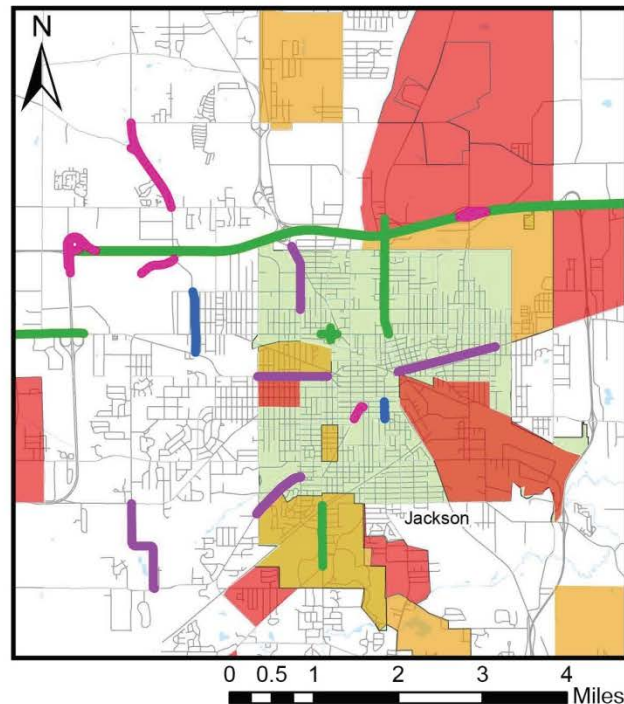
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

Census Block Groups

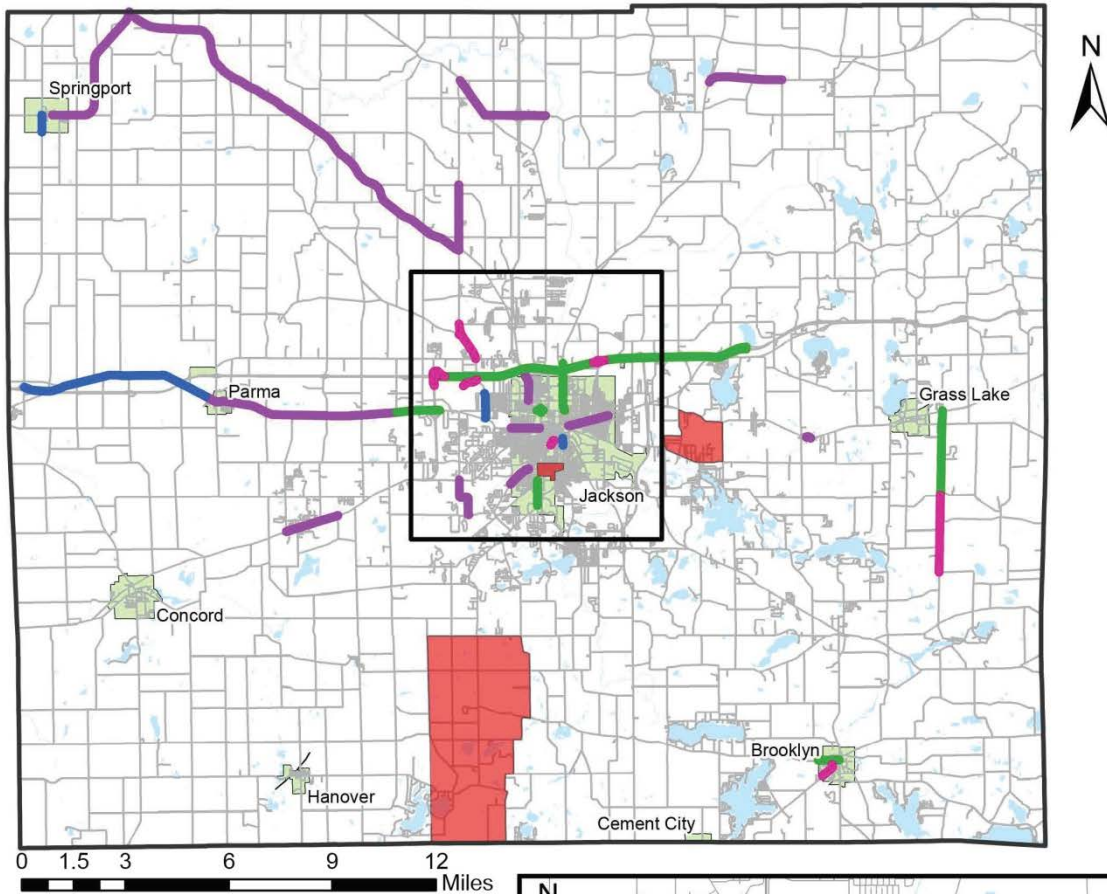
Percent American Indian Population 2014 ACS Data

- Below JACTS Average (<0.45%)
- Above JACTS Average (0.45%-0.91%)
- Twice JACTS Average (>0.91%)



Map 6

JACTS Project Overview Map / Pacific Islander Minority



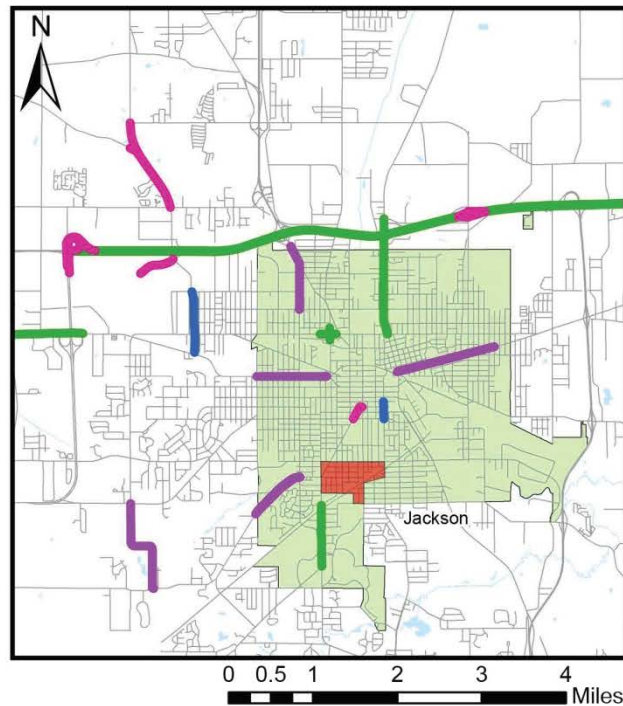
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

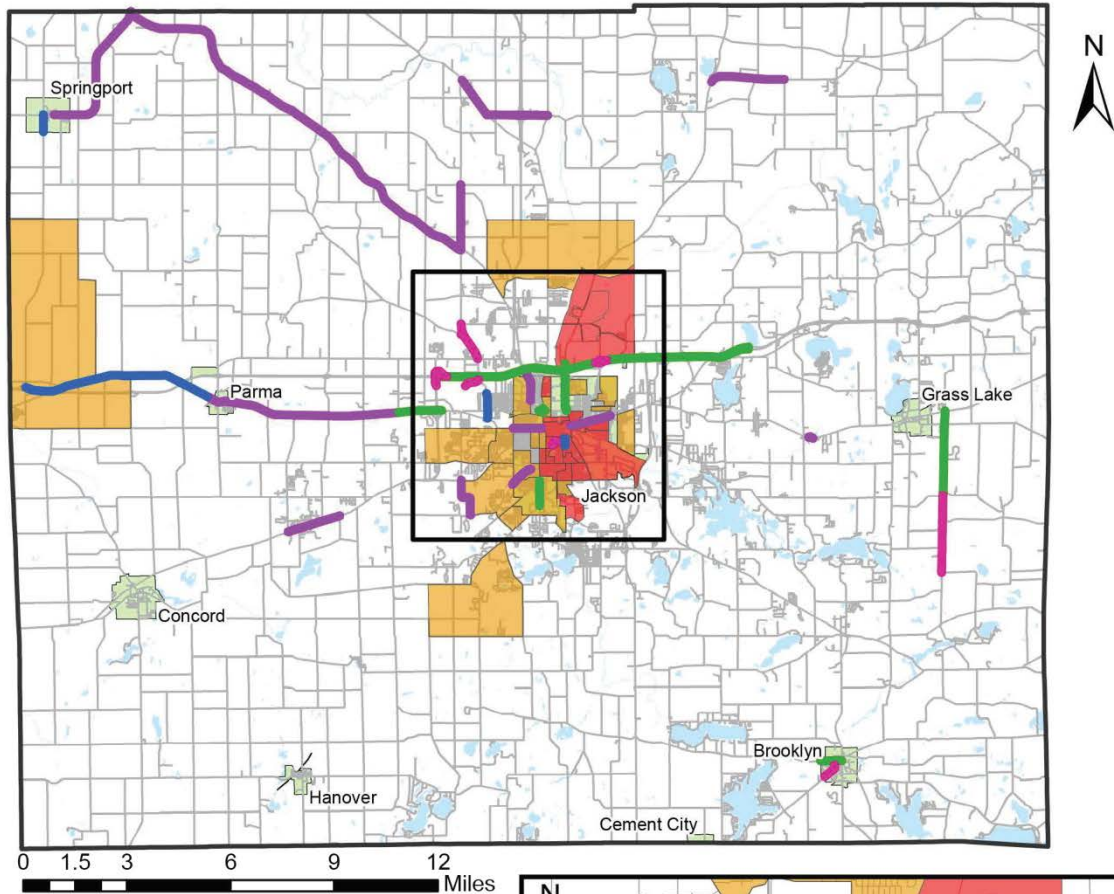
Census Block Groups

**Percent Pacific Islander Population
2014 ACS Data**

- Below JACTS Average (<0.05%)
- Above JACTS Average (0.05%-0.09%)
- Twice JACTS Average (>0.09%)



Map 7 JACTS Project Overview Map / Total Minority Population



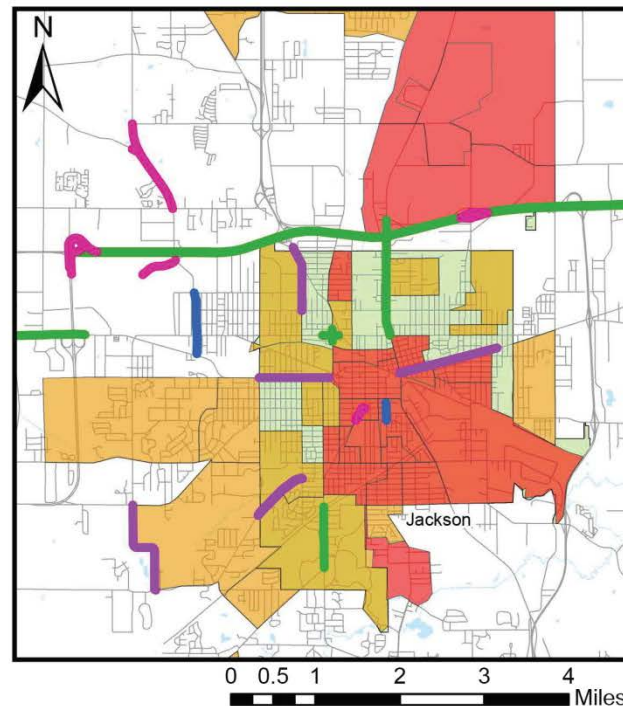
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

Census Block Groups

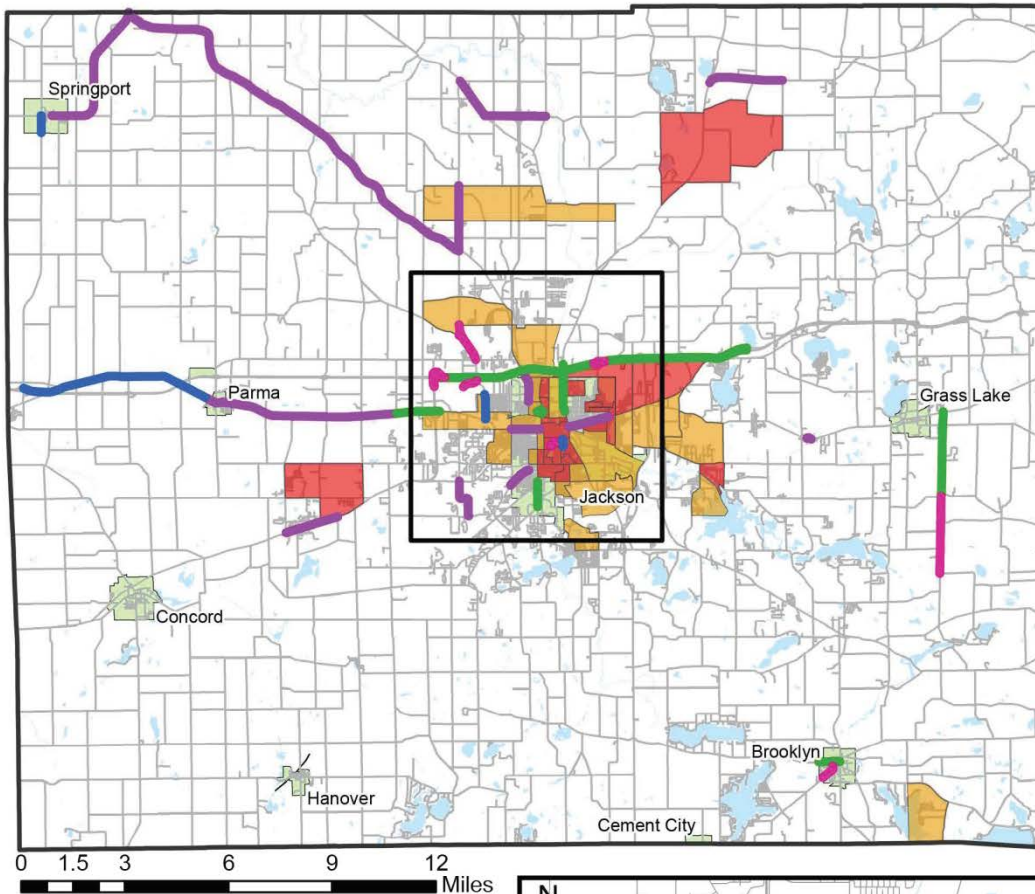
Percent Minority Population 2014 ACS Data

- Below JACTS Average (<12.83%)
- Above JACTS Average (12.83%-25.67%)
- Twice JACTS Average (>25.67%)



Map 8

JACTS Project Overview Map / Total Family Poverty Status



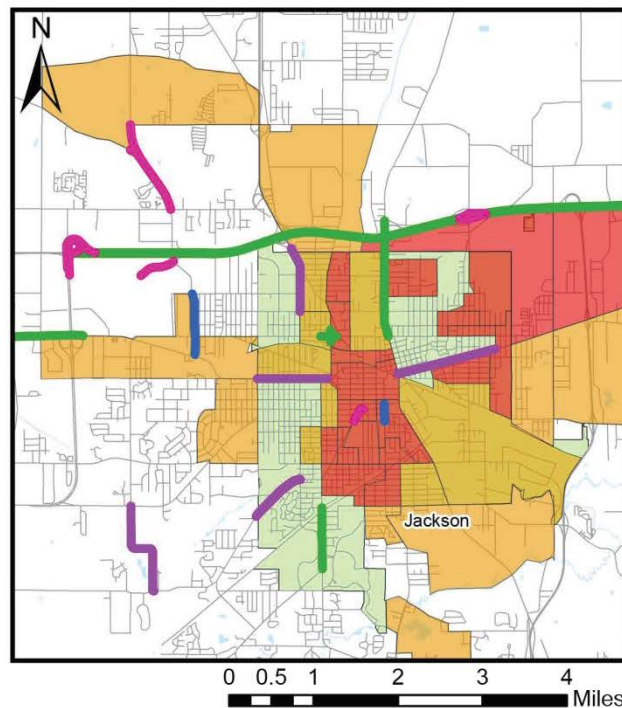
JACTS TIP Projects

- 2017 TIP Project
- 2018 TIP Project
- 2019 TIP Project
- 2020 TIP Project
- Jackson County Cities / Villages
- Jackson County Hydrology
- Jackson County - All Roads

Census Block Groups

**Percent Families in Poverty
2014 ACS Data**

- Below JACTS Average (<16.41%)
- Above JACTS Average (16.41%-32.83%)
- Twice JACTS Average (>32.83%)



Consultation

The FAST Act legislation requires that the Metropolitan Planning Organizations (MPOs) consult “as appropriate” with federal, state, and local agencies responsible for economic growth and development, environmental protection, conservation, historic preservation, natural resources, airport and freight operations and movement, land use management, as well as human transportation service providers when developing transportation plans. The purpose of the consultation process is intended to eliminate or minimize conflicts with other agencies’ plans and maps that impact transportation.

In order to initiate the consultation process, the JACTS staff developed a contact list of agencies by reviewing its current public participation mailing list and adding, as necessary, the organizations and agencies listed below. The entities identified through this process included:

Michigan Fish & Wildlife Service

The Enterprise Group

Jackson Historic District Commission

National Trust for Historic Preservation

Michigan Department of Agriculture

Jackson Community College

Michigan Center for Geographic Information

Michigan Economic Development Corporation

Region II Area on Aging

Jackson County GIS

Jackson County Parks

Grand River Environmental Action Team (G.R.E.A.T.)

Michigan Department of Community Health

U.S. Environmental Protection Agency-Region 5

USGS-Lansing District Office

Jackson County Convention Bureau

MDOT-Heritage Routes Program

Goodwill Industries

Jackson County ISD

Jackson County Department on Aging

Michigan Department of Natural Resources and Environment-Jackson District

Upper Grand River Watershed Council

USDA-Michigan State Office

Office of State Archaeologist

Allegiance Health

MDOT-Historic Bridges

Retired Senior Volunteer Program (R.S.V.P.)

Disability Connections

Michigan Department of Career Development-Jackson Office

Michigan Department of Human Services

Eastside Neighborhood Resource Center

Michigan Rehab Services

Jackson Interfaith Non-Profit Housing Corporation

NAACP-Jackson Branch

Jackson Public Schools

Catholic Social Services

Greater Jackson Chamber of Commerce

Amtrak

Falling Waters Trail Association

Jackson County Medical Care Facility

Disabled American Veterans

City of Jackson Community Development Department

Family Independence Agency

Jackson City/County Emergency Measures

Spring Arbor University

Fitness Council of Jackson

Jackson County ISD-Special Education

City of Jackson Human Relations Commission

Jackson Area Transportation Authority

Norfolk Southern Corporation

Lifeways

Greater Jackson Habitat for Humanity

Michigan State University Extension Office

Baker College

American Red Cross

The Salvation Army

Michigan Department of Natural Resources and Environment

Jackson County Airport-Reynolds Field

FEMA-Region Office

National Park Service

City of Jackson Parks Department

All County Townships, Villages, and City of Jackson Supervisors/Managers

Michigan Department of History, Arts, and Library

Mackinac Chapter of the Sierra Club

MDOT-Freight Division

Greyhound Lines, Inc.

Geological and Land Water Management

Jackson Citizen Patriot

These agencies were then sent the following information:

1. An initial introductory letter addressing the MPO's consultation efforts and requesting information regarding any plans or programs that may impact transportation planning decisions in Jackson County.
2. Once the draft FY 2017-2020 TIP was available, a packet of information containing the following was sent to each agency:
 - A cover letter explaining what JACTS is, what the TIP is, and an explanation of why we are soliciting input, and how to contact our agency. Also attached to the letter was a list of the proposed projects.
 - A listing of the meeting dates, times, and locations at which JACTS would be soliciting public comment on the draft list of projects.

No agencies provided a response regarding the request for consultation on the draft FY 2017-2020 TIP. A copy of the communication sent for comment and all public notices can be found in Appendix B.

JACTS

List of Abbreviations

LIST OF ABBREVIATIONS

Various codes and abbreviations are used throughout this document, particularly in the project descriptions and the source of funds to be used. These abbreviations are explained below.

A	
AADT	Average Annual Daily Traffic
B	
BHN	Bridge Rehabilitation - NHS
BR	Business Route
BRRP	Bridge Reconstruction and Rehabilitation Program
C	
CL	County Line
CSM	Capital Scheduled Maintenance
CPM	Capital Preventative Maintenance
E	
EB	Eastbound
FHWA	Federal Highway Administration
F	
FAST Act	Fixing America's Surface Transportation Act
FTA	Federal Transit Administration
FY	Fiscal Year
G	
GPA	General Program Accounts
H	
HSIP	Highway Safety Improvement Program
I	
IM	Interstate Maintenance
J	
JACTS	Jackson Area Comprehensive Transportation Study
JCDOT	Jackson County Department of Transportation
JATA	Jackson Area Transportation Authority
L	
L RTP	Long Range Transportation Plan

M	
M	State of Michigan funds
MAB	Metropolitan Area Boundary
MDOT	Michigan Department of Transportation
MPO	Metropolitan Planning Organization
MTF	Michigan Transportation Fund
MAP-21	Moving Ahead for Progress in the 21 st Century Act
N	
NH	National Highway
NHS	National Highway System
HPP	High Priority Projects
R	
R2PC	Region 2 Planning Commission
S	
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SEC 5307	FTA Urban Area Formula Program
SEC 5309	FTA Capital Assistance Program
SEC 5311	FTA Non-Urbanized Area funds
SEC 5316	FTA Job Access Reverse Commute
SEC 5317	New Freedom Initiative
ST	Surface Transportation
STE	Surface Transportation Enhancement
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
STUL	Surface Transportation - urban areas under 200,000 population
STL	Surface Transportation - local
T	
TEDF	Transportation Economic Development Fund
TIP	Transportation Improvement Program
U	
UAB	Urbanized Area Boundary
W	
WB	Westbound
WVL	West village limits

PUBLIC PARTICIPATION PLAN TRANSPORTATION PLANNING PROCESS

Jackson Metropolitan Area
Jackson County, Michigan

JACTS

JACKSON AREA COMPREHENSIVE
TRANSPORTATION STUDY

Prepared By:



Region 2 Planning Commission
120 W. Michigan Avenue
Jackson, MI 49201
(517) 788-4426

October 2012

I. Introduction and Purpose

Meaningful and effective public participation is essential to the successful implementation of any public planning program or project. Without the involvement of local citizens, it becomes difficult to design a program that effectively meets the greater needs of the public. In addition, public involvement is necessary in order to gauge the effectiveness of an agency's planning activities. The Region 2 Planning Commission, as the state designated Metropolitan Planning Organization (MPO) for Jackson County, acting through the Jackson Area Comprehensive Transportation Study (JACTS), actively seeks to incorporate the involvement of the public in its planning efforts pursuant to its Public Participation Plan that is designed to accomplish the following goals:

- Comply with the public participation requirements of *“Moving Ahead for Progress in the 21st Century”* (MAP-21) federal transportation legislation.
- Provide opportunities for Jackson County residents and citizen-based organizations to identify priorities, discuss views and to provide input on the subject areas addressed in the plans, projects, or policies of the MPO.
- Inform and educate citizens and other interested parties about the MPO's ongoing planning initiatives.
- Achieve participation and partnership among the public, the Region 2 Planning Commission, the Michigan Department of Transportation, and local governmental jurisdictions in the planning and execution of projects.

The purpose of this document is to provide a clear directive for the public participation activities undertaken by JACTS as they pertain to the MPO's primary responsibilities, which include the development and implementation of the Long Range Transportation Plan (LRTP), the Transportation Improvement Program (TIP), and the Annual Unified Work Program (UWP).

This is accomplished by adhering to the following principles:

- early and continuous involvement
- reasonable public availability of technical data and other information
- collaborative input on alternatives, evaluation criteria, and mitigation needs
- open meetings where matters related to transportation policies, programs, and projects are being considered
- open access to the decision-making process prior to closure

II. Compliance with Federal Requirements

The JACTS Public Participation Plan was originally adopted in 1994 in accordance with the requirements of the 1991 Intermodal Surface Transportation Efficiency Act (ISTEA). In 1998, ISTEA was succeeded by the Transportation Equity Act for the 21st Century (TEA-21). Both of these federal acts required that MPOs develop and utilize a proactive public participation process that provides complete information, timely public notice, full public access to key decisions, and supports early and continuing involvement in developing metropolitan transportation plans and transportation improvement programs (TIPs) and meets the requirements as determined by federal regulations, specifically requiring a minimum public comment period of 45 days.

In 2006, the Safe, Affordable, Flexible and Efficient Transportation Equity Act – A Legacy for Users (SAFETEA-LU) expanded public participation provisions requiring MPOs to develop enhanced participation plans. SAFETEA-LU, while retaining the previous public participation activities, placed additional emphasis on extensive stakeholder participation, specifically to:

- conduct public meetings at convenient times and accessible locations.
- make transportation long range and improvement plans available in electronically accessible formats and means (i.e. the World Wide Web) as appropriate to afford reasonable opportunity for consideration of the information.
- implement visualization techniques to describe metropolitan transportation plans and TIPs.

The newly passed “Moving Ahead for Progress in the 21st Century” (MAP-21) further emphasizes these requirements.

III. Description of Public Participation Activities

JACTS shall consult with governmental units within the MPO, local economic development organizations, freight related businesses, non-motorized transportation groups and clubs, local transportation providers, and other interested parties in the development of the Long Range Plan (LRP), the Transportation Improvement Program (TIP), and the Unified Work Program (UWP). JACTS will also conduct outreach, public comment periods, and public hearings as described in this plan.

The three publications noted in the above paragraph will be published for a minimum of 30 days to receive written public comment before adoption. For any amendments that are deemed necessary once any of the publications are adopted, JACTS shall publish at least one notice in a local news publication of general circulation within the Jackson Urbanized Area prior to approval of the amendment.

The JACTS Participation Plan consists of the following tools:

1. Notice of Meetings and Public Comment Periods
2. Annual Report
3. Public Hearings
4. Radio, TV, Newspaper, Internet (as appropriate)
5. Outreach
6. Visualization Techniques
7. Environmental Justice
8. Development and Analysis
9. Performance Measures

1. NOTICE OF MEETINGS AND PUBLIC COMMENT PERIODS

The Jackson Area Comprehensive Transportation Study (JACTS) maintains two standing committees to conduct the business of the study area. The JACTS Technical Advisory Committee is comprised of appropriate staff from units of government and modal agencies (transit and airport) within the metropolitan area boundary, and includes representatives from the Michigan Department of Transportation and the Federal Highway Administration. The Technical Advisory Committee reviews all plans and programs and makes technical recommendations to the JACTS Policy Committee.

The Policy Committee includes elected and appointed officials representing units of government within the metropolitan area boundary. The Policy Committee acts on recommendations from the Technical Advisory Committee, and recommends formal action to be taken by the Region 2 Planning Commission, as the state-designated MPO. All regularly scheduled meetings of JACTS and the Region 2 Planning Commission (MPO) are open to the public and held at locations which comply with the Americans with Disabilities Act (ADA) regulations. Individuals with disabilities may request aids/services within a reasonable time period to participate in the meeting.

A public comment item is included on all agendas for any person wishing to address committee members. Meeting notifications including date, location, and agenda are published in the Jackson area general circulation newspaper (*Jackson Citizen Patriot*). Meeting notices are also mailed to each unit of government within the JACTS metropolitan area boundary.

Interested citizens may also have their name added to the agency mailing list in order to receive meeting notifications. A list of the regularly scheduled JACTS and R2PC meeting dates, times, and locations is posted at the Jackson County Tower Building and distributed to each member unit of government for posting. This listing is also posted on the R2PC web site.

a. Special Meetings, Workshops, and Public Meetings

Although the majority of the MPO's business can be conducted at regularly scheduled meetings, when significant planning initiatives including updating the LRP or developing the TIP, staff may conduct special meetings, workshops, or public meetings. These meetings may be hosted in publicly convenient and accessible locations such as, but not limited to, public meeting rooms such as commission/council chambers, public libraries, schools, or township halls.

Notices of public meetings will be administered in the same manner as notice of regularly scheduled meetings.

When public comments are received on plans, programs, or other MPO activities, they are summarized and forwarded to the Policy Committee prior to any formal action to adopt or approve the plan, study, or project. Copies of all comments are kept on file and are available for public review. Comments requesting a formal response are answered in a timely manner (within 30 days).

2. ANNUAL REPORT

The Region 2 Planning Commission's annual report, published at the beginning of each calendar year, reviews and highlights the activities of the Commission undertaken during the previous fiscal year. The report is distributed to the R2PC and is mailed to all governmental jurisdictions, agencies, committee members, and individuals included on the R2PC's general mailing list.

This multi-modal report is a summary of the previous year's activities in not only transportation, but also community planning and traffic safety. It includes updates on planning studies, completed and upcoming roadway construction projects, and other general information concerning the activities of the Region 2 Planning Commission. The report also provides the names, phone numbers, and e-mail addresses of the staff member any citizen may contact regarding any R2PC activities.

3. PUBLIC MEETINGS

Before approving any federally required document, JACTS will conduct a public meeting to solicit comments. Such meetings shall take place during the regularly scheduled JACTS meeting, unless deemed otherwise by the JACTS Policy Committee. Notice of public hearings will be administered in the same manner as notice of regularly scheduled meetings. To supplement the public hearing process, JACTS may also engage in hosting public information/open house meetings in publicly convenient and accessible locations, such as public libraries, schools, shopping malls, or township halls. During the public hearing, JACTS will utilize various visualization techniques, as described below, to assist in conveying transportation plans and programs in the most effective way.

4. RADIO, TV, NEWSPAPER, INTERNET

To the extent feasible, JACTS staff will utilize the opportunities provided through local radio, television, local cable television, newspaper, and the internet to inform the public of the development of transportation planning products, such as the LRP and the TIP. This would include news releases, bulletin board formats, public service announcements, and interview opportunities that may be available. Citizens with internet access can go to the R2PC home page at www.region2planning.com.

The internet is being utilized more often to notify a wider range of participants. Websites are reviewed regularly to ensure the correct person and e-mail address is being used. Notifications are sent out electronically as often as possible. If an electronic address is not available, hard copies are distributed via U.S. mail. The World Wide Web provides up-to-date information on people and groups that should be involved in the planning process. The Region 2 Planning Commission website is continuously updated so that interested parties can find the necessary material or be able to contact a staff member for any questions.

Social media will also be used to ensure a wider range of citizens are contacted. The Region 2 Planning Commission has a Facebook page that will provide information on the process, the status of the update, and what information should be reviewed and input provided. Twitter is another social media option that is being explored.

5. OUTREACH ACTIVITIES

JACTS staff will attempt to identify and contact special interest groups in the community to assure their opportunity to have input and to encourage the involvement of persons who have traditionally been under-served. This would include organizations such as citizen district councils, minority populations, low-income populations, private transportation providers, and others as they are identified. These groups will receive a direct mailing which describes the transportation planning process and their opportunity for input. This includes, but is not limited to, the following:

- conventional/unconventional transit providers
- public agencies
- private transportation providers
- law enforcement agencies
- providers of freight transportation
- railroad companies
- environmental organizations
- major employers
- chambers of commerce/tourism offices
- human service agencies
- interested citizens
- agencies & organizations that represent:
 - the elderly
 - the disabled
 - non-motorized users
 - minority groups
 - low-income populations

This list will be continuously updated and groups may be added at any time by the JACTS Policy Committee.

Some, or all, of these groups may be notified when: (1) a particular agenda item directly impacts an agency or their clientele, (2) planning and development of a major project such as an update of the Long Range Transportation Plan or TIP, or (3) at the request of a JACTS committee member.

6. VISUALIZATION TECHNIQUES

JACTS will utilize a variety of visualization activities to better inform and educate the public regarding transportation projects, plans, and programs. These activities may include static and interactive mapping through Geographic Information Systems (GIS), computer model simulations, and photo manipulation to artist renderings. JACTS will identify and implement the most appropriate visualization technique to educate and inform the public for each individual plan or project. As technology continues to change, the visualization activities will also evolve and afford the MPO additional opportunities to optimize the public's understanding of transportation issues and concepts.

7. ENVIRONMENTAL JUSTICE

In April 1997, the U. S. Department of Transportation (DOT) issued the environmental justice order to address Environmental Justice in Minority Populations and Low Income Populations (DOT Order 5610.2). The order describes the process for incorporating environmental justice principles into all DOT programs, policies, and activities.

Environmental justice is an important part of the planning process and must be considered in all phases of planning. This includes all Public Participation Plans and activities, the development of the LRP and TIP, and other documents or studies adopted by JACTS. Specifically, JACTS will consider environmental justice concerns within their established participation procedures.

There are three fundamental principles of environmental justice:

1. To avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority and low-income populations;
2. To ensure the full and a fair participation by all potentially affected communities in the transportation decision-making process; and
3. To prevent the denial of, reduction in, or significant delay in the receipt of, benefits by minority and low-income populations.

JACTS will continue to work to identify residential, employment, and transportation patterns of low-income and minority populations so that their needs can be identified and addressed, and the benefits and burdens of transportation investments are fairly distributed.

JACTS will also continue to evaluate and improve the Public Participation Plan to eliminate barriers to low-income and minority involvement. However, JACTS cannot do this alone. It is imperative that active participation of well-informed, empowered individuals, community groups, and other non-governmental organizations be a major component of this effort. Only by the participation of these individuals and groups can JACTS advance the letter, spirit, and intent of environmental justice in transportation.

8. DEVELOPMENT AND ANALYSIS

JACTS will continue to analyze and update a demographic profile of the transportation planning area that includes the location of minority and low-income populations as required by environmental justice legislation. Maps of these populations will be developed showing the proposed TIP projects in relation to these areas. These maps will provide a visual analysis of potential impacts to these populations.

9. PERFORMANCE MEASURES

JACTS will determine the success of the Public Participation Plan by evaluating the number and diversity of citizens involved in the public involvement process. This information will be compiled based on voluntary information requested from participants. MDOT Forms 5400, 5401, 5402, and 5403 will be available at public meetings and participants will be encouraged to provide the requested information.

IV. Conclusion

The JACTS Public Participation Plan will be reviewed and monitored on a regular basis in order to maintain its effectiveness. The intent of the Plan is twofold: (1) improving the participatory role of the public in the MPO's planning activities, and (2) providing the information that the public needs to facilitate that participation.

Following the principles of this Public Participation Plan will ensure maximum access by the public and encourage proactive public participation in all aspects of the transportation planning process. This increased access for local citizens and other groups will help foster the continuous improvement of JACTS plans and programs to best serve the citizens of Jackson County.

Comments or questions concerning the Participation Plan should be directed to:

**Ms. Susan Richardson, Senior Planner
Region 2 Planning Commission
Jackson County Tower Building
120 W. Michigan Avenue - 9th Floor
Jackson, MI 49201
(517) 788-4426
Fax (517) 788-4635
Email at: srichard@co.jackson.mi.us**

TRANSPORTATION IMPROVEMENT PROGRAM PARTICIPATION PROCESS

Task	Date(s)	Method
JACTS public mailing list review and update.	Month 1	Review and update public participation mailing list as necessary. Use list to contact stakeholders informing them of the initiative and how they can participate.
Review and confirm Environmental Justice analysis area.	Month 3-4	Meet with staff from appropriate agencies to confirm accuracy of environmental justice area. Update as necessary. Discuss strategies for gaining input from their constituencies.
Public review of preliminary project list.	Month 5	A preliminary project list is released for public review and comment.
Consultation with other agencies/organizations impacted by the TIP.	Month 5	Consult with federal, state and local agencies and officials responsible for other planning activities affected by transportation. This may include, but is not limited to, agencies responsible for economic growth, environmental protection, airport operations, freight movement, natural resources and historic preservation.
TIP Public Meeting.	Month 7	This is the formal public meeting on the draft TIP. Newspaper notices will be placed announcing this meeting and notices will be mailed to those on the public participation mailing list.
Postings on the Region 2 Planning Commission world wide web page.	Throughout entire process	As the TIP is being developed, various documents will be posted on the R2PC Web page. These postings will also invite the public to comment on the document.
Input at JACTS Technical Advisory & Policy Committee meetings and R2PC meetings.	Throughout entire process	All JACTS regularly scheduled Technical Advisory and Policy Committee meetings and R2PC meetings have time reserved for public comments.

LONG RANGE TRANSPORTATION PLAN PARTICIPATION PROCESS

Task	Date(s)	Method
JACTS public mailing list review and update.	Month 1	Review and update public participation mailing list as necessary. Use list to contact stakeholders informing them of the initiative and how they can participate.
Develop time-line and identify opportunities for public comment.	Month 2-3	Contact citizens on mailing list for Kick-off; PPP update; and other relevant opportunities for public comment, including Goals & Objectives and draft and final plan. Ensure public notices in county and city newspapers provide an opportunity to citizens not on the mailing list.
Review and confirm Environmental Justice analysis area.	Month 2-3	Meet with staff from appropriate agencies to confirm accuracy of environmental justice area. Update as necessary. Discuss strategies for gaining input from their constituencies.
Review Long Range Transportation Plan existing and future year deficiencies.	Month 4-7	A select "package" of network solutions will be developed once the transportation system deficiencies and potential solutions to those deficiencies have been selected and tested. The public will have an opportunity to comment on the deficiencies and potential solutions at specifically advertised JACTS Technical Advisory, Policy Committee, and R2PC meetings.
Consultation with other agencies/organizations impacted by the transportation plan.	Month 5-7	Consult with federal, state and local agencies and officials responsible for other planning activities affected by transportation. This may include, but is not limited to, agencies responsible for economic growth, environmental protection, airport operations, freight movement, natural resources and historic preservation.
Long Range Transportation Plan public meeting.	Month 9	This is the formal public meeting on the draft Long Range Transportation Plan. Newspaper notices will be placed announcing this meeting and notices will be mailed to those on the public participation mailing list.
Postings on the Region 2 Planning Commission world wide web page.	Throughout entire process	As the plan is being developed, various documents will be posted on the R2PC Web page. These postings will also invite the public to comment on the Plan.
Input at JACTS Technical Advisory & Policy Committee meetings and R2PC meetings.	Throughout entire process	All regularly scheduled JACTS Technical Advisory, Policy, and R2PC Committee meetings have time reserved for public comments.

Appendix B

JACTS Public Participation Activities

To receive as many public comments as possible, the TIP flyer starting on page B-6 was sent to the following mailing list:

Ms. Amanda Riska, Clerk
Jackson County
312 S. Jackson Street
Jackson, MI 49201

Mr. David Sercombe, Clerk
Blackman Charter Twp.
1990 W. Parnall Road
Jackson, MI 49201

Mr. Barry Marsh, Clerk
Columbia Township
8500 Jefferson Road
Brooklyn, MI 49230

Ms. Judy Clark, Clerk
Concord Township
P.O. Box 236
Concord, MI 49237

Ms. Cathy Zenz, Clerk
Grass Lake Charter Township
373 Lakeside Dr., P.O. Box 216
Grass Lake, MI 49240

Ms. Judy Moulton, Clerk
Hanover Township
311 Farview Street, P.O. Box 40
Horton, MI 49246

Ms. Sally Keene, Clerk
Henrietta Township
11732 Bunkerhill
Pleasant Lake, MI 49272

Ms. Michele Manke, Clerk
Leoni Township
913 Fifth Street
Michigan Center, MI 49254

Ms. Sharon Warblow, Clerk
Liberty Township
101 W. Liberty Road
Clarklake, MI 49234

Ms. Chris Hawker, Clerk
Napoleon Township
P.O. Box 385
Napoleon, MI 49261

Ms. Anne Hagadorn, Clerk
Norvell Township
106 E. Commercial Street
Norvell, MI 49263

Mr. Donald Spangler, Clerk
Parma Township
P.O. Box 51
Albion, MI 49224

Ms. Kris Runyon, Clerk
Pulaski Township
12363 Folks Road
Hanover, MI 49241

Ms. Stacy Stoner, Clerk
Rives Township
348 E. Main St.
Rives Junction, MI 49277

Ms. Priscilla Sterrett, Clerk
Sandstone Charter Twp.
7940 County Farm Road
Parma, MI 49269

Ms. Julia Stonestreet, Clerk
Spring Arbor Township
P.O. Box 250
Spring Arbor, MI 49283

Ms. Dena Keeler, Clerk
Springport Township
P.O. Box 174
Springport, MI 49284

Ms. Meghan Dobben, Clerk
Summit Township
2121 Ferguson Road
Jackson, MI 49203

Ms. Melanie Curran, Clerk
Tompkins Township
8211 Dixon Road
Rives Junction, MI 49277

Ms. Janice Kitley, Clerk
Waterloo Township
11443 Waterloo-Munith Road
Munith, MI 49259

Mr. Mick Linderman, Clerk
Village of Brooklyn
P.O. Box 90
Brooklyn, MI 49230

Ms. Carol Ladd, Clerk
Village of Cement City
135 Main Street
Cement City, MI 49233

Ms. Nancy Salvatore, Clerk
Village of Concord
P.O. Box 306
Concord, MI 49237

Ms. Star Mead, Clerk
Village of Grass Lake
P.O. Box 737
Grass Lake, MI 49240

Ms. Sharla Schuette, Clerk
Village of Hanover
120 W. Main St.
Hanover, MI 49241

Ms. Katie Cotey, Clerk
Village of Parma
P.O. Box 127
Parma, MI 49269

Ms. Jennifer Naylor, Clerk
Village of Springport
P.O. Box 128
Springport, MI 49284

Mr. Randy Wrozek, Jr., Clerk
City of Jackson
161 W. Michigan Ave.
Jackson, MI 49201

Ms. Susan Hedman, Admin.
Environmental Protection Agency
Region 5
77 West Jackson Blvd.
Chicago, IL 60604-3590

Ms. Amy Torres
The Enterprise Group
One Jackson Square, Suite 1100
Jackson, MI 49201

Mr. Dean Anderson, Ph.D.
State Archeologist
State Housing Dev. Authority
702 W. Kalamazoo Street
Lansing, MI 48909-8240

Jackson Historic District Commission
City of Jackson
161 W. Michigan Ave.
Jackson, MI 49201

Ms. Abigail Eaton, Resource Spec.
Environmental Stewardship Div.
Department of Agriculture
P.O. Box 30017
Lansing, MI 48909

Vendela Collins Development Disabilities Council Department of Community Health 201 Townsend Street Lansing, MI 48913	Mr. James R. Morris, Center Dir. USGS – Lansing District Office 6520 Mercantile Way Lansing, MI 48911	Dr. Daniel J. Phelan, President Jackson College 2111 Emmons Road Jackson, MI 49201
Jackson County Convention & Visitors Bureau 141 S. Jackson Street Jackson, MI 49202	National Trust for Hist. Preservation 1785 Massachusetts Ave., NW Washington, DC 20036-2117	Downtown Development Auth. City of Jackson 161 W. Michigan Ave. Jackson, MI 49201
Lloyd Baldwin, Program Mgr. Historic Bridges Michigan Dept. of Transportation P.O. Box 30050 Lansing, MI 48909	Krisanne McConnell, Manager Geo-Data Services Michigan Center for Geographic Info. 111 S. Capital Ave., 10 th Floor Lansing, MI 48913	Mr. Kevin Oxley, Supt. Jackson Co. Int. School Dist. 6700 Browns Lake Road Jackson, MI 49201
DisAbility Connections 409 Linden Avenue Jackson, MI 49203	Jackson County GIS 120 W. Michigan Ave. Jackson, MI 49201	Marce Wandell, Dir. Jackson County Dept. on Aging 1715 Lansing Ave., #672 Jackson, MI 49202
R.S.V.P. 407 S. Mechanic Street Jackson, MI 49201	Sarah Hartzler, President South Central Michigan Works! 209 E. Washington Avenue, Suite 100 Jackson, MI 49202	Region 2 Area Agency on Aging 102 N. Main Street Brooklyn, MI 49230
Goodwill Industries 617 N. Mechanic Street Jackson, MI 49202	Michigan Dept. of Human Services 301 Louis Glick Hwy. Jackson, MI 49201	The United Way of Jackson Co. 536 N. Jackson Street Jackson, MI 49201
Disabled American Veterans 120 N. State Street Jackson, MI 49201	Michigan State University Extension 1715 Lansing Ave., Suite 257 Jackson, MI 49202-2176	Mr. Rick Wilson, CEO YMCA Jackson County 127 W. Wesley Street Jackson, MI 49201
Jackson Public Schools 522 Wildwood Ave. Jackson, MI 49202	Eastside Neighborhood Resource Ctr. 1207 Pringle Ave. Jackson, MI 49203	Spring Arbor University 106 E. Main Street Spring Arbor, MI 49283
Ms. Maribeth Caldwell, CEO Lifeways 1200 N. West Ave. Jackson, MI 49202	Catholic Charities of Jackson 407 S. Mechanic Street Jackson, MI 49201	Great Jackson Habitat for Humanity 251 W. Prospect St. Jackson, MI 49203
Baker College 2800 Springport Road Jackson, MI 49202	Brad Heiple, Site Manager Michigan Rehabilitation Services 209 E. Washington St., Suite 200 Jackson, MI 49201	Jackson Interfaith Non-Profit Housing Corp. 325 E. Morrell St. Jackson, MI 49203
Jackson City/County Emergency Meas. 312 S. Jackson Street Jackson, MI 49201	Jackson Co. Medical Care Facility 524 Lansing Ave. Jackson, MI 49201	Mindy Brandish-Orta, Pres. & CEO Greater Jackson Chamber of Comm. 141 S. Jackson Street Jackson, MI 49204
The Salvation Army 806 E. Pearl Street Jackson, MI 49201	NAACP 801 S. Mechanic St. Jackson, MI 49203	AMTRAK, Jackson 501 E. Michigan Avenue Jackson, MI 49201

Human Relations Commission City of Jackson 161 W. Michigan Ave. Jackson, MI 49201	Greyhound Bus Service 127 W. Cortland Street Jackson, MI 49201	Philip Moilanen, Commr. Jackson Area Transportation Auth. 2350 E. High St. Jackson, MI 49203
Kent Maurer, Manager Jackson County Airport 3606 Wildood Ave. Jackson, MI 49202	Andrew Valesquez, III, Reg. Admin. Federal Emergency Management 536 S. Clark St., 6 th Floor Chicago, IL 60605	Environmental Coordinator National Park Service Midwest Regional Office 610 Riverfront Drive Omaha, NB 68102-4226
Brian D. Conway State Historic Preservation Officer Michigan State Housing Dev. Auth. 702 W. Kalamazoo St. Lansing, MI 48909-8240	State Implementation Plan Unit Dept. of Env. Quality 525 W. Allegan St. P.O. Box 30458 Lansing, MI 48909-7958	LWCF/Marine Safety/Rec. Passport Dept. of Natural Resources P.O. Box 30028 Lansing, MI 48909
Jackson City Parks Dept. 161 W. Michigan Ave. Jackson, MI 49201	Anne Woiwode, State Dir. Sierra Club 109 E. Grand River Ave. Lansing, MI 48906	Mike Trout, Admin. Aeronautics & Freight Div. Michigan Dept. of Transportation 2700 Port Lansing Road Lansing, MI 48906-2160
David Pidgeon, Manager Public Relations Norfolk Southern Corporation 4600 Deer Path Road Harrisburg, PA 17110	Jackson Citizen Patriot One Jackson Square 100 E. Michigan Ave., Suite 100 Jackson, MI 49201	The Exponent 160 South Main St. Brooklyn, MI 49230
Dawn Doneer, Publisher Springport Signal 123 E. Main Street Springport, MI 49284	Ralph & Carole Rice, Publishers The County Press 123 W. Main Street P.O. Box 279 Parma, MI 49269	G.A. Wade, Editor The Jackson Blazer P.O. Box 806 Jackson, MI 49204
Millie Meija, Editor American Legion 3200 Lansing Avenue Jackson, MI 49202	Earl Poleski, State Representative 5354 Reynolds Road Jackson, MI 49201	Congressman Tim Wahlberg 2436 Rayburn HOB Washington, DC 20515
Bart Hawley, President JTV 152 W. Michigan Avenue Jackson, MI 49201	Jackson County Parks 1992 Warren Avenue Jackson, MI 49203	Center for Women 434 Wildwood Street Jackson, MI 49201
Kathleen Brockel, Exec. Dir. United Cerebral Palsy of Michigan 3496 Lake Lansing Road, Suite 170 E. Lansing, MI 48823	Clemons Transport 1313 LeRoy St. Jackson, MI 49202	Colonial Cab 500 Cooper St. Jackson, MI 49201
Jill Yehl, Dir. Jackson County Food Bank 5451 Wayne Road P.O. Box 408 Battle Creek, MI 49016	Geoffrey Snyder, Drain Commissioner County of Jackson 120 W. Michigan Ave. Jackson, MI 49201	Brad Thompson, President Jackson County Legal News 304 Francis Street Jackson, MI 49204-1090
Jackson District library 244 W. Michigan Ave. Jackson, MI 49201	Jackson County Health Dept. 171 Lansing Ave., Suite 221 Jackson, MI 49202	Paul Adegba, Region Admin. Michigan Dept. of Transportation University Region Office 4701 W. Michigan Ave. Jackson, MI 49201
Jeff Reid, Dev. Engineer Michigan Dept. of Transportation University Region Office 4701 W. Michigan Ave. Jackson, MI 49201	Kari Martin, Transportation Planner Michigan Dept. of Transportation University Region Office 4701 W. Michigan Ave. Jackson, MI 49201	Mark Grazioli, Manager Jackson Transportation Service Ctr. 2750 Elm Road Jackson, MI 49201-6802

Kathy Potts Jackson Citizens for Life 317 W. Washington Avenue Jackson, MI 49201	Laurel Mauldin 1913 Fourth Street Jackson, MI 49202	Margie Horsch, President The Lions Club of Jackson 338 W. Franklin Street Jackson, MI 49201
Legal Services of South Central Mich. 540 N. Jackson Street Jackson, MI 49201	Leola Goodin, Comm. Serv. Dir. Seventh Day Adventist Comm. Serv. 3600 County Farm Road Jackson, MI 49201	Mike Brown, Manager Jackson Area Transp. Auth. 2350 E. High St. Jackson, MI 49203
Ms. Anne Wolwode, Director Sierra Club Mackinac Chapter 109 East Grand River Ave. Lansing, MI 48906	Gina Nathan Regulatory Functions Branch U.S. Army – Corps of Eng. Detroit Dist. Regulatory Office	National Trust for Historic Preservation The Watergate Office Building 2600 Virginia Ave., Suite 1100 Washington, D.C. 20037
Office of State Archaeologist Michigan Historical Center P.O. Box 30740 Lansing, MI 48909-8240	Michigan Dept. of Community Health 201 Townsend Street Lansing, MI 48913	Michigan Economic Development Corp. 300 N. Washington Square Lansing, MI 48913
USGS – Lansing District Office 6520 Mercantile Way Lansing, MI 48911	Craig Czarnecki, Field Supervisor Fish & Wildlife Service 2651 Coolidge Road, Suite 101 East Lansing, MI 48823-6316	James R. Morris, Center Dir. USGS – Lansing District Office 6520 Mercantile Way Lansing, MI 48911
Geoffrey Snyder Upper Grand River Watershed Council 120 W. Michigan Avenue Jackson, MI 49201	Economic Development Corp. 300 N. Washington Square Lansing, MI 48913	Jackson Historic District Comm. City of Jackson 161 W. Michigan Ave. Jackson, MI 49201
Matt Shane, District Coordinator Michigan State University Extension 1715 Lansing Ave., Suite 257 Jackson, MI 49202-2176	Vendela Collins Development Disabilities Council Department of Community Health 201 Townsend Street Lansing, MI 48913	Andrew Valesquez, III, Reg. Adm. Federal Emergency Management 536 S. Clark Street, 6 th Floor Chicago, IL 60605
James Turner, State Director USDA – Michigan State Office 3001 Coolidge Road, Suite 200 E. Lansing, MI 48823-6349	Environmental Coordinator National Park Service Midwest Regional Office 610 Riverfront Dr. Omaha, NB 68102-4226	National Trust for Historic Preserv. 1785 Massachusetts Ave., NW Washington, DC 20036-2117
Brian D. Conway State Historic Preservation Officer State Housing Development Authority 702 W. Kalamazoo Street Lansing, MI 48909-8240	Kenneth A. Westlake, Chief NEPA Implementation Section Environmental Protection Agency Region 5 77 W. Jackson Blvd.	Gerald Fulcher, Jr., P.E., Chief Transportation & Flood Hazard Unit Land & Water Mgmt. Div. Dept. of Environmental Quality 525 W. Allegan St.
Dean Anderson, Ph.D. State Archaeologist State Housing Development Authority 702 W. Kalamazoo Street Lansing, MI 48909-8240	Abigail Eaton, Resource Specialist Environmental Stewardship Division Department of Agriculture P.O. Box 30017 Lansing, MI 48909	Mr. Bill Jors, Mayor City of Jackson
Mr. Mike Overton, Administrator Jackson County 120 W. Michigan Ave. Jackson, MI 49201	Mr. Pete Jancek, Supv. Blackman Charter Twp. 1990 W. Parnall Road Jackson, MI 49201	Mr. Robert Elrod, Supv. Columbia Township 8500 Jefferson Road Brooklyn, MI 49230
Mr. Jamie Ley, Supv. Concord Township P.O. Box 236 Concord, MI 49237	Mr. James Stormont, Supv. Grass Lake Charter Township 373 Lakeside Dr., P.O. Box 216 Grass Lake, MI 49240	Mr. John Tallis, Supv. Hanover Township P.O. Box 40 Horton, MI 49246

Mr. Andrew Grimes, Supv.
Henrietta Township
11732 Bunkerhill
Pleasant Lake, MI 49272

Mr. Dan Wymer, Supv.
Napoleon Township
P.O. Box 385
Napoleon, MI 49261

Mr. Robert Jones, Supv.
Pulaski Township
12363 Folks Road
Hanover, MI 49241

Mr. David Herlein, Supv.
Spring Arbor Township
107 E. Main Street
Spring Arbor, MI 49283

Mr. John Tuttle, Sr., Supv.
Tompkins Township
9555 Minard Road
Parma, MI 49269

Mr. Melvin Cure, President
Village of Cement City
135 Main Street
Cement City, MI 49233

Mr. Gary Schuette, President
Village of Hanover
120 W. Main St.
Hanover, MI 49241

Mr. Todd Brittain, Supv.
Leoni Township
913 Fifth Street
Michigan Center, MI 49254

Mr. Eric Johnson, Supv.
Norvell Township
106 E. Commercial Street
Norvell, MI 49263

Mr. Jerald Adams, Supv.
Rives Township
348 E. Main St.
Rives Junction, MI 49277

Mr. Karl Schmidt, Supv.
Springport Township
P.O. Box 174
Springport, MI 49284

Mr. Douglas Lance, Supv.
Waterloo Township
10899 Territorial Road
Munith, MI 49259

Mr. Jeremiah Bush, President
Village of Concord
P.O. Box 306
Concord, MI 49237

Mr. Jim Jenkins, President
Village of Parma
P.O. Box 127
Parma, MI 49269

Mr. Jim Spink, Supv.
Liberty Township
101 W. Liberty Road
Clarklake, MI 49234

Ms. Wendy Chamberlain, Supv.
Parma Township
P.O. Box 51
Albion, MI 49224

Mr. L. Keith Acker, Supv.
Sandstone Charter Twp.
7940 County Farm Road
Parma, MI 49269

Mr. Jim Dunn, Supv.
Summit Township
2121 Ferguson Road
Jackson, MI 49203

Mr. J. B. DeJeu, President
Village of Brooklyn
P.O. Box 90
Brooklyn, MI 49230

Mr. Joe DeBoe, President
Village of Grass Lake
P.O. Box 737
Grass Lake, MI 49240

Mr. Gordon Webb, President,
Village of Springport
P.O. Box 128
Springport, MI 49284

JACTS

Jackson Area Comprehensive
Transportation Study

REGION 2

PLANNING COMMISSION

FY 2017 - 2020 Transportation Improvement Program (TIP) Development

The Region 2 Planning Commission (R2PC), as the state-designated Metropolitan Planning Organization (MPO) for the Jackson urbanized area, is working through Jackson Area Comprehensive Transportation Study (JACTS) to foster cooperation while promoting communication within Federal, State, and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation. JACTS is seeking input on its **Fiscal Years 2017-2020 Transportation Improvement Program (TIP)**. The TIP is a management tool for structuring and prioritizing metropolitan transportation-related projects including highway and roads, public transit, and project relating to bicyclists and pedestrians. The TIP lists all of the projects that intend to use federal funds, along with any non-federally funded projects that are considered regionally significant. It is a program and schedule of intended transportation improvements, or continuation of current activities, covering a 4-year period (October 1, 2016 through September 30, 2019) and is considered the implementing tool of the **JACTS 2040 Long Range Transportation Plan**.

The current draft local project list begins on the second page of this document.

The FY 2017-2020 TIP project list is also available at the Region 2 Planning Commission website listed below, in the news section or under the Jackson Area Comprehensive Transportation Study quick link at the bottom of the home page. Comments on the proposed projects list can be submitted via email at sduke@co.jackson.mi.us, or in writing to the address listed at the bottom of this page; by fax to (517)788-4635, or by phone to (517)768-6706. In addition, comments may be made at any of the following public meetings:

Region 2 Planning Commission 2:00 PM, Thursday, June 9, 2016 Jackson County Tower, 5th Floor Commission Chambers 120 W. Michigan Avenue, Jackson	JACTS Technical Advisory Committee 9:30 AM, Tuesday, June 14, 2016 Jackson City Hall, 10th Floor 161 W. Michigan Avenue, Jackson	JACTS Policy Committee 8:00 AM, Thursday, June 16, 2016 Jackson County Tower, 5th Floor Commission Chambers 120 W. Michigan Avenue, Jackson
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Please submit all comments on the draft project list on or before June 20, 2016.



The public is encouraged to contact the Region 2 Planning Commission with any comments on this information at:

Ph (517) 788-4426
Fx (517) 788-4635

120 W. Michigan Avenue
9th Floor
Jackson, MI 49201
www.region2planning.com

Jackson Area Comprehensive Transportation Study (JACTS) FY 2017 - 2020 Draft Transportation Improvement Program

Funding Categories: STUL - Surface Transportation Urban Local (Federal), NH - National Highway (Federal), IM - Interstate Maintenance (Federal), ST - Surface Transportation Program (Federal), STL - Surface Transportation Program Local (Federal), EDD - Economic Development Fund / Category D (State), HSIP - Highway Safety Improvement Program (Federal), CTF - Comprehensive Transportation Fund (State), TRAL - Transit Authority Funds Local (Local), [5307] Urbanized Area Formula (Federal), [5311] Non-urbanized Area Formula (Federal), [5339] Alternative Analysis Program (Federal)

FY 2017

Kibby Road (City limits to West Avenue) – reconstruct. \$929,000 STUL/\$232,000 Local
Robinson Road (Spring Arbor Road to Kibby Road) – resurface. \$375,000 STUL/\$94,000 Local
Springport Road (Airport Road at Springport Road) - install ped signals and ramps. \$81,000 HSIP/\$20,000 County
Rives Junction Road (Rives Junction Road from M-50 north) - non-motorized path. \$222,000 HSIP/\$56,000 County
M-106 (Bunkerhill Rd to W of Sayers Rd) - single course mill & resurface. \$436,000 ST/\$97,000 State
M-50/US-127BR (North St to Boardman Rd) - longitudinal joint repair. \$282,000 ST/\$63,000 State
M-50 (Rives Junction to Pope Church Rd) - micro-surface, warranty. \$611,000 ST/\$136,000 State
M-50 (Pope Church Rd to Ingham/Jackson CL) - micro-surface, warranty. \$671,000 ST/\$149,000 State
I-94 BL (Cooper St to Dwight St) - HMA cold mill & single course overlay. \$990,000 NH/\$219,000 State
I-94 BL (Brown St to Louis Glick) - reconstruct. \$6,985,000 NH/\$1,339,000 State/\$545,000 Local
M-99 (Railroad St to Jackson County line) - resurface. \$738,000 ST/\$164,000 State
M-60 (Chapel Rd to Emerson Rd) - resurface and widening with CLTL. \$7,585,000 ST/\$1,682,000 State
I-94 (I-94 at Elm Rd) - sub-structure. \$452,000 IM/\$50,000 State
I-94 (I-94 at Elm Rd) - preliminary engineering. \$1,325,000 IM/\$147,000 State
W Michigan Ave (W Parma Village limit to Glasgow Rd) - preventative maintenance. \$518,000 STL/\$138,000 EDD
Berry Rd and Rives Eaton Rd (Rives Eaton to Lansing and Perine to Berry) - preventative maintenance. \$120,000 STL/\$30,000 EDD
E Michigan Ave (under NS RR bridge) - resurface. \$80,000 STL/\$20,000 EDD
Jackson Area Transportation Authority - operating funds. \$1,213,000 [5307]/\$1,596,000 CTF/\$1,797,000 TRAL
Jackson Area Transportation Authority - operating funds. \$99,000 [5311]/\$247,000 CTF/\$349,000 TRAL
Jackson Area Transportation Authority - replace 2 buses. \$640,000 [5339]/\$160,000 CTF

FY 2018

Fourth St (Audubon to Horton) – single course mill & resurface; construct roundabout at Hickory. \$782,000 STUL/\$195,200 Local
W. Michigan Avenue (M-60 to Glasgow Rd) – cold mill & resurface. \$320,000 STUL/\$80,000 Local
Ganson at Steward – reconstruction of signal. \$85,000 STUL/\$21,250 Local
I-94 (over Conrail and the Grand River) - bridge replacement. \$18,159,000 IM/\$2,018,000 State
I-94 (M-106 Cooper St NB and SB over I-94) - bridge replacement. \$12,669,000 IM/\$1,408,000 State
M-106 (Ganson St to Porter St) - single course mill & resurface. \$548,000 NH/\$121,000 State
I-94 (M-60 to Sargent Rd) - reconstruction. \$36,948,000 IM/\$4,105,000 State
Norvell Rd (Phase 1, E Michigan Ave to Phal Rd) - cold mill and resurface. \$502,000 STL/\$125,000 Local
Marshall St (Brooklyn Village limit to Brooklyn Rd) - resurface. \$116,000 STL/\$100,000 EDD/\$54,000 Local
Jackson Area Transportation Authority - replace 2 small buses. \$100,000 STL/\$25,000 TRAL
Jackson Area Transportation Authority - operating funds. \$1,249,000 [5307]/\$1,643,000 CTF/\$1,851,000 TRAL
Jackson Area Transportation Authority - operating funds. \$102,000 [5311]/\$254,000 CTF/\$360,000 TRAL
Jackson Area Transportation Authority - replace HVAC in main base. \$100,000 [5339]/\$25,000 CTF

Funding Categories: STUL - Surface Transportation Urban Local (Federal), NH - National Highway (Federal), IM - Interstate Maintenance (Federal), ST - Surface Transportation Program (Federal), STL - Surface Transportation Program Local (Federal), EDD - Economic Development Fund / Category D (State), HSIP - Highway Safety Improvement Program (Federal), CTF - Comprehensive Transportation Fund (State), TRAL - Transit Authority Funds Local (Local), [5307] Urbanized Area Formula (Federal), [5311] Non-urbanized Area Formula (Federal), [5339] Alternative Analysis Program (Federal)

FY 2019

Laurence Ave (RR to Wildwood Avenue) – cold mill & resurface. \$200,000 STUL/\$50,000 Local
Laurence Ave (Wildwood Ave to Argyle St) – cold mill & resurface. \$400,000 STUL/\$100,000 Local
Francis St (Morrell to Mason) – reconstruct. \$587,000 STUL/\$146,750 Local
W Main St (M-99/Mechanic St to Springport Village limit) - resurface. \$216,000 STL/\$54,000 Local
W Michigan Ave (Parma west village limit to M-99) - preventative maintenance. \$502,000 STL/\$209,000 EDD
Jackson Area Transportation Authority - operating funds. \$1,286,000 [5307]/\$1,693,000 CTF/\$1,906,000 TRAL
Jackson Area Transportation Authority - operating funds. \$105,000 [5311]/\$262,000 CTF/\$371,000 TRAL
Jackson Area Transportation Authority - administration office rehab. \$113,000 [5339]/\$28,000 CTF

FY 2020

Greenwood/Wilkins (Morrell to Jackson) – reconstruct. \$587,000 STUL/\$146,000 Local
Springport Road (County Farm Road to Rives Junction Road) – cold mill & resurface. \$320,000 STUL/\$80,000 Local
O’Neill Drive (Airport Road to dead end) – cold mill & resurface. \$280,000 STUL/\$70,000 Local
M-60 (EB and WB over I-94) - bridge replacement. \$12,858,000 IM/\$1,429,000 State
I-94 (at Elm Rd) - right-of-way for interchange reconstruction. \$90,000 IM/\$10,000 State
S King/Tiffany/Cement City (Chicago St to Village Limit) - reconstruction. \$29,000 STL/\$147,000 EDD/\$44,000 Local
Norvell Rd (Phase 2, Phal Rd to Raby Rd) - mill and resurface. \$589,000 STL/\$147,000 Local
Jackson Area Transportation Authority - replace 2 small buses. \$100,000 STL/\$25,000 TRAL
Jackson Area Transportation Authority - operating funds. \$1,325,000 [5307]/\$1,744,000 CTF/\$1,963,000 TRAL
Jackson Area Transportation Authority - operating funds. \$108,000 [5311]/\$270,000 CTF/\$382,000 TRAL
Jackson Area Transportation Authority - replace paint booth in shop. \$113,000 [5339]/\$28,000 CTF

STATE OF MICHIGAN)
County of Jackson

ss Camryn Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of



JACKSON CITIZEN PATRIOT
DAILY EDITION

RECEIVED

JUN 16 2015

Per _____

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s)) _____

_____ June 7 A.D. 2015 _____

Sworn to and subscribed before me this 8 day of June 20 15

Marietta Foley

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, June 9, 2015 at the Jackson City Hall, 161 W. Michigan Avenue - 10th Floor, Jackson, MI and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, June 18, 2015 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:

1. Call to Order
2. Public Comment
3. Approve Minutes
4. Project Status Reports
5. FY 2017-2020 TIP Development Schedule
6. JATA Transit Survey Results
7. Other Business
8. Public Comment
9. Adjournment

The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com

Mr. Steven Duke,
Executive Director
Region 2
Planning Commission
120 W. Michigan Ave. - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.768.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss Camryn Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of



JACKSON CITIZEN PATRIOT
DAILY EDITION

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AUG 18 2015

Per _____

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(days)

August 9 A.D. 20 15

Sworn to and subscribed before me this 12 day of August 20 15

Marietta Foley

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COM-
PREHENSIVE TRANS-
PORTATION STUDY
(JACTS) Technical Advisory
Committee meeting will be
held at 9:30 a.m. on Tues-
day, August 11, 2015 at the
Jackson City Hall, 161 W.
Michigan Avenue - 10th
Floor, Jackson, MI and the
Policy Committee meeting
will be held at 8:00 a.m. on
Thursday, August 20, 2015
at the Jackson County
Tower Bldg., 120 W. Michi-
gan Avenue - 5th Floor Com-
mission Chambers, Jackson,
MI. The agenda for both
meetings is as follows:
1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. Two-Way Conversion Plan
for Louis Glick Hwy/
Washington Avenue
6. FY 2017-2020 TIP Project
Development
7. Other Business
8. Public Comment
9. Adjournment
The public is invited to attend
these meetings and com-
ment on agenda items or
other transportation-related
concerns. Agenda packets
are available for review at
the Region 2 Planning Com-
mission offices, 120 W.
Michigan Avenue, 9th Floor,
Jackson, MI 49201 or can be
downloaded at www.region2planning.com
Mr. Steven Duke
Executive Director
Region 2 Planning
Commission
120 W. Michigan Ave. - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.788.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss *Camryn Longstreet*

Being duly sworn deposes and say he/she is Principal Clerk of

RECEIVED
OCT 15 2015
Per _____



JACKSON CITIZEN PATRIOT
DAILY EDITION

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(days)

October 11 A.D. 20*15*

Sworn to and subscribed before me this *12* day of *October* 20*15*

Marietta Foley

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, October 13, 2015 at the Jackson City Hall, 161 W. Michigan Avenue - 10th Floor, Jackson, MI and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, October 15, 2015 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:
1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. JACTS FY 2014-2017 TIP Amendments
•ADD FY 2017 - Berry Rd/Rives Eaton Road (Bunkerhill to Rives Eaton Rd/Lansing Ave)(Perrine Rd to Berry Rd); Preventative maintenance. \$120,000 STL/\$30,000 State-D
•ADD FY 2016 - W. Michigan Ave Bridge: over the RR; bridge replacement. \$3,423,000 Local Bridge/\$171,650 Local
•ADD FY 2016 - Dearing Rd (Michigan Ave to County Farm Rd); preventative maintenance. \$359,000 STL/\$100,000 State-D/\$15,000 Local
•ADD FY 2017 - W. Michigan Ave (Glasgow Rd to Parma Village); preventative maintenance. \$550,000 STL/\$138,000 State-D
•ADD FY 2017 - E. Michigan Ave (under MDOT/NS RR bridge; cold mill and resurfacing. \$80,000 STL/\$20,000 State-D
•DELETE FY 2016 - Countywide preventative maintenance. \$200,000 STL/\$20,000 State-D
•DELETE FY 2017 - Countywide preventative maintenance. \$900,000 STL/\$200,000 State-D
•DELETE FY 2017 - Dearing Rd (194 to Springport Rd); preventative maintenance. \$270,000 STL/\$100,000 State-D
•DELETE FY 2016 - M-50 (US-127 to Napoleon Rd); HMA cold mill & two course overlay. \$5,983,000 STP/\$1,327,000 MDOT
6. FY 2017-2020 TIP Project Development
7. MDOT-University Region Non-Motorized Plan
8. Other Business
9. Public Comment
10. Adjournment

The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com
Mr. Steven Duke
Executive Director
Region 2 Planning Commission
120 W. Michigan Ave., - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.768.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss Camryn Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of

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NOV 16 2015
Per _____



JACKSON CITIZEN PATRIOT
DAILY EDITION

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s)) _____

NOVEMBER 8 A.D. 2015

Sworn to and subscribed before me this 9 day of NOVEMBER 2015

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, November 10, 2015 at the Jackson City Hall, 161 W. Michigan Avenue - 10th Floor, Jackson, MI and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, November 19, 2015 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:

1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. JACTS FY 2014-2017 TIP Amendments
 - DELETE FY 2016 - Hardcastle Road (Horning to M-124); Preventative maintenance. \$450,000 STP-R/\$150,000 Local
 - ADD FY 2016 - Mt. Hope Road (Grass Lake Vt. to I-94; Preventative maintenance; ADD FY 2016 - Francisco Road/Clear Lake Road (E. Michigan Ave to I-94; Preventative maintenance (bid as one project) \$360,000 STP-R/\$90,000 State D
 - SCOPE CHANGE FY 2016 - Dearing Road - extend the southern limit from W. Michigan Ave to M-60. \$259,000 STP-R/\$200,000 State D
 - ADD FY 2016 - I-94 (EB & WB from the Jackson CL to M-60); full depth concrete joint repairs (PE). \$15,000 State
 - ADD FY 2016 - I-94 (EB & WB from the Jackson CL to M-60; full depth concrete repairs (CON). \$1,485,000 State
 - ADD FY 2016 - M-50 (Napoleon Road to Stony Lake Drain); HMA cold milling w/single course overlay. \$344,034 ST/\$76,289 State
 - ADD FY 2016 - M-50/US-127 BR (Michigan to Wildwood & Ganson to North St); reconstruction. \$1,905,633 IM/\$369,104 State/\$147,944 Local
 - FUNDING INCREASE FY 2016 - I-94 BL (Brown St to Louis Glick Hwy); reconstruction. \$6,985,163 N H / \$ 1, 3 3 9, 3 0 1 State/\$544,847 Local
6. JACTS FY 2017-2020 Transportation Improvement Program Project Nomination Form
7. Other Business
8. Public Comment
9. Adjournment

The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com

Mr. Steven Duke,
Executive Director
Region 2
Planning Commission
120 W. Michigan Ave. - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.768.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss Camryn Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of



JACKSON CITIZEN PATRIOT
DAILY EDITION

RECEIVED

DEC 14 2015

Per _____

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s) _____

December 6 A.D. 2015

Sworn to and subscribed before me this 11 day of December 2015

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, December 8, 2015 at the Jackson City Hall, 161 W. Michigan Avenue - 10th Floor, Jackson, MI and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, December 17, 2015 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:

1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. JACTS FY 2017-2020 TIP - Review Submitted Project Application Forms
6. Evaluation of the I-94 Corridor from the Indiana State Line to US-127 South
7. Other Business
8. Public Comment
9. Adjournment

The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com

Mr. Steven Duke,
Executive Director
Region 2
Planning Commission
120 W. Michigan Ave. - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.788.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss. Cheryl Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of

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Per _____

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s)) _____

January 10 A.D. 2016

Sworn to and subscribed before me this 3 day of January 2016

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, January 12, 2016 at the Jackson City Hall, 161 W. Michigan Avenue - 10th Floor, Jackson, MI and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, January 21, 2016 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:

1. Call to Order
2. Public Comment
3. Election of Officers
4. Approve Minutes
5. Agency Status Reports
6. Opportunity for Public Comment - Draft JACTS FY 2017-2020 TIP Urban STP Projects
7. Jackson County 2015 PASER Pavement Conditions Report
8. Other Business
9. Public Comment
10. Adjournment

The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com

Mr. Steven Duke
Executive Director
Region 2 Planning Commission
120 W. Michigan Ave. - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.768.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss Camryn Longstreet

Being duly sworn deposes and say he/she is Principal Clerk of

RECEIVED



JACKSON CITIZEN PATRIOT
DAILY EDITION

MAR 11 2016

Per _____

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(days) _____

March 6 A.D. 20 16

Sworn to and subscribed before me this 9 day of March 20 16

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, March 8, 2016 and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, March 17, 2016 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:
1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. Opportunity for Public Comment - JACTS FY 2014-2017 MDTOT Transportation Improvement Program (TIP) Amendments
*ADD FY 2016 M-99 (Railroad St to Jackson Co Line): fiber reinforcement/bit mem w/single micro seal. PE. FED \$14,318 / State \$3,175
*ADD FY 2016 M-106 (Ganson to Porter): single course mill and resurface. PE. FED \$65,910 / State \$14,615
*ADD FY 2016 M-106 (Bunkerhill Road to west of Sayers Rd): single course mill and resurface. PE. FED \$12,457 / State \$2,762
*ADD FY 2016 M-50/US-127BR (North St to Boardman Rd): restore and rehabilitate longitudinal joints. PE. FED \$20,846 / State \$4,622
*ADD FY 2016 M-50 (Rives Junction to Pope Church Rd): micro surface. PE. FED \$11,641 / State \$2,581
*ADD FY 2016 I-94 (I-94 to Elm St): reconstruct interchange. Early PE. FED \$45,000 / State \$5,000
*MOVE from FY 2016 to FY 2017 I-94BL (Brown St to Louis Glick): HMA reconstruction including concrete curb and gutter; storm sewer; sidewalks and ADA ramps; water main; sanitary sewer; and traffic signal upgrade. CONSTRUCTION. FED \$6,985,163 / State \$1,339,301 / Local \$544,847
6. Jackson FY 2017-2020 TIP Development
7. Asset Management Collection of Local Paved Streets Data
8. Other Business
9. Public Comment
10. Adjournment
The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com

Mr. Steven Dure
Executive Director
Region 2 Planning
Commission
120 W. Michigan Ave - 9th Fl
Jackson, MI 49201
sdure@co.jackson.mi.us
Phone 517.768.6706
Fax 517.788.4635
www.region2planning.com

STATE OF MICHIGAN
County of Jackson

RECEIVED

JUN 20 2016

SS

Comery Longstreet

Per

Being duly sworn deposes and say he/she is Principal Clerk of



JACKSON CITIZEN PATRIOT

DAILY EDITION

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s))

June 5 A.D. 20 *16*

Sworn to and subscribed before me this *8* day of *June* 20*16*

Marietta Foley

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisory Committee meeting will be held at 9:30 a.m. on Tuesday, June 14, 2016 and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, June 16, 2016 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 5th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:

1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. JACTS Travel Demand Model Development Update
6. Opportunity for Public Comment - Approval of Amendments to the JACTS FY 2014-2017 Transportation Improvement Program (TIP)
 - ADD FY 2017 - M-106 (Bunkerhill Rd to Savers Rd); mill & resurface. CON. FED \$435,993/M \$96,680
 - ADD FY 2017 - M-50/US-127BR (North St to Boardman Rd); joint repairs CON. FED \$282,000/M \$62,532
 - ADD FY 2017 - M-50 (Rives Junction to Pope Church Rd); micro-surface. CON. FED \$611,148/M \$135,520
 - ADD FY 2017 - I-94BL (Cooper St to Dwight St); milling & overlay. CON. FED \$989,841/M \$219,495
 - ADD FY 2017 - I-94 (I-94 @ Elm Rd); reconstruct interchange. PE. FED \$1,325,147/M \$147,238
 - ADD FY 2017 - I-94 (I-94 @ Elm Rd); reconstruct interchange. SUB. FED \$452,487/M \$50,276
 - ADD FY 2017 - M-99 (Railroad St to Jackson Co line); fiber reinf bit membrane with single micro. CON. FED \$737,883/M \$163,624
 - DELETE FY 2017 - I-94 (Michigan Ave to Dearing Rd); reconstruction. PE. FED \$2,720,711/M \$302,301
 - DELETE FY 2017 - I-94 (Michigan Ave to Dearing Rd); reconstruction. ROW. FED \$225,000/M \$25,000
 - DELETE FY 2017 - M-60 (Emerson Rd to Renfrew Rd); resurfacing. CON. FED \$4,016,156/M \$890,571
 - DELETE FY 2017 - JATA Transit Capital (county-wide); purchase up to 3 minivan replacements. FED STL \$100,000/\$25,000 TRAL
7. Approval of Amendment to the JACTS FY 2016 Unified Work Program (UWP)
8. Approval of the JACTS FY 2017 UWP
9. Opportunity for Public Comment - JACTS FY 2017-2020 Transportation Improvement Program

10. Other Business
 11. Public Comment
 12. Adjournment
- The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com
- Mr. Steven Duke
Executive Director
Region 2 Planning Commission
120 W. Michigan Ave. - 9th Fl
Jackson, MI 49201
sduke@co.jackson.mi.us
Phone 517.768.6706
Fax 517.768.4635
www.region2planning.com

STATE OF MICHIGAN)
County of Jackson

ss *Amey Longstreet*

Being duly sworn deposes and say he/she is Principal Clerk of



JACKSON CITIZEN PATRIOT
DAILY EDITION

RECEIVED
JUL 11 2016

Per _____

a newspaper published and circulated in the County of Jackson and otherwise qualified according to Supreme Court Rule; and that the annexed notice, taken from said paper, has been duly published in said paper on the following day(day(s)) _____

July 3 A.D. 20 *16*

Sworn to and subscribed before me this *6* day of *July* 20 *16*

Marietta Foley

MARIETTA FOLEY
Notary Public, State of Michigan
County of Kent
My Commission Expires: December 23, 2016

The JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS) Technical Advisor Committee meeting will be held at 9:30 a.m. on Tuesday, July 12, 2016 and the Policy Committee meeting will be held at 8:00 a.m. on Thursday, July 21, 2016 at the Jackson County Tower Bldg., 120 W. Michigan Avenue - 9th Floor Commission Chambers, Jackson, MI. The agenda for both meetings is as follows:
1. Call to Order
2. Public Comment
3. Approve Minutes
4. Agency Status Reports
5. JACTS Travel Demand Model Development Update - Development of Socio-Economic Data
6. Opportunity for Public Comment - Approval of the JACTS FY 2017-2020 Transportation Improvement Program (TIP)
7. Other Business
8. Public Comment
9. Adjournment
The public is invited to attend these meetings and comment on agenda items or other transportation-related concerns. Agenda packets are available for review at the Region 2 Planning Commission offices, 120 W. Michigan Avenue, 9th Floor, Jackson, MI 49201 or can be downloaded at www.region2planning.com
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sduke@co.jackson.mi.us
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Fax 517.788.4635
www.region2planning.com

Appendix C

Metropolitan Transportation Planning

JACTS

Process Certification

**METROPOLITAN TRANSPORTATION
PLANNING PROCESS CERTIFICATION**

In accordance with 23 CFR 450.334, the Michigan Department of Transportation and the Region 2 Planning Commission, the Metropolitan Planning Organization for Jackson, Michigan urbanized area, hereby certify, as part of the STIP submittal, 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:

- I. 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and this part;
- II. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- III. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- IV. Section 1101(b) of the FAST Act (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- V. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- VI. 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;
- VII. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- VIII. 23 U.S.C. 324, regarding the prohibition of discrimination based on gender; and
- IX. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
- X. (*applicable to Non-Attainment and Maintenance Areas only*) Sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C 7504 and 7506(c) and (d)) and 40 CFR part 93



 Carl Rice Jr., Chair
 Region 2 Planning Commission

6/9/2016

 Date



 David Wresinski, Director
 Bureau of Transportation Planning

6/23/16

 Date

Appendix D
FY 2017-2020

JACTS

Illustrative Project List

Illustrative Projects

Required Fields												
Fiscal Year	County	Responsible Agency	Project Name	Limits	Project Description	Phase	Federal Cost (\$1000s) Source	State Cost (\$1000s) Source	Local Cost (\$1000s) Source	Total Cost (\$1000s)	Local ID No.	Total Project Cost (\$1000s)
	JACKSON	City of Jackson	Blackstone	Morrell to Washington	Reconstruction with curb repairs	CON	641 STUL		160 CITY	801		801
	JACKSON	City of Jackson	Fourth	at Horton	Realign intersection and install signal arm	CON	304 STUL		76 CITY	380		380
	JACKSON	City of Jackson	Francis	at Prospect	Reconstruct traffic signal	CON	122 STUL		30 CITY	152		152
	JACKSON	City of Jackson	Franklin	Brown to West	Reconstruction with curb replacement / Construct sidewalk where missing	CON	1,114 STUL		279 CITY	1,393		1,393
	JACKSON	City of Jackson	High	Executive to South	Crush, reshape, repave existing asphalt	CON	502 STUL		125 CITY	627		627
	JACKSON	City of Jackson	Michigan	Steward to Blackstone	Reconstruct with curb replacement	CON	527 STUL		132 CITY	659		659
	JACKSON	City of Jackson	Morrell	at First	Reconstruct traffic signal	CON	122 STUL		30 CITY	152		152
	JACKSON	City of Jackson	Morrell	at Fourth	Reconstruct traffic signal	CON	122 STUL		30 CITY	152		152
	JACKSON	City of Jackson	Morrell	Greenwood to Francis	Reconstruction with curb repairs	CON	579 STUL		145 CITY	724		724
	JACKSON	City of Jackson	North	Lincoln to Lansing	Reconstruction with curb replacement	CON	674 STUL		169 CITY	843		843
	JACKSON	City of Jackson	Prospect	Fourth to Francis	Reconstruction with curb replacement / Construct sidewalk where missing / Mast arm signal at Fourth	CON	1,427 STUL		357 CITY	1,784		1,784
	JACKSON	City of Jackson	Prospect	Francis to Townley	Mill and resurface with curb repairs / Construct sidewalk where missing	CON	544 STUL		136 CITY	680		680
	JACKSON	City of Jackson	Randolph	Brown to High	Reconstruction with boulevard and new curb / traffic realignment / storm sewer upgrades / reconstruct mixed use path	CON	1,342 STUL		357 CITY	1,678		1,678
	JACKSON	City of Jackson	Steward	Lansing to Wildwood	Two course mill and resurface with curb repairs and intersection realignment (Lansing)	CON	618 STUL		154 CITY	772		772

Illustrative Projects															
Fiscal Year	County	Responsible Agency	Project Name	Limits	Project Description	Phase	Federal Cost (\$1000s)	Federal Fund Source	State Cost (\$1000s)	State Fund Source	Local Cost (\$1000s)	Local Fund Source	Total Cost (\$1000s)	Local ID No.	Total Project Cost (\$1000s)
	JACKSON	City of Jackson	Washington West	Brown to West at Morrell	Mill and resurface	CON	373	STUL			33	CITY	466		466
	JACKSON	City of Jackson	West		Reconstruct traffic signal	CON	122	STUL			30	CITY	152		152
	JACKSON	City of Jackson	Wisner	Morrell to Michigan	Reconstruction with curb replacement / Construct sidewalk where missing	CON	1,026	STUL			256	CITY	1,282		1,282
	JACKSON	City of Jackson	Wisner	Wildwood to Ganson	Reconstruction with curb repairs / RR Xing not included / Reconstruct signal at Ganson	CON	466	STUL			117	CITY	583		583
	JACKSON	JCDOT	South	US 127 to Losey	Reconstruction, curb and gutter, storm sewer, resurfacing	CON	600	STUL			150	CNTY	750		750
	JACKSON	JCDOT	South	US 127 to Flansburgh	Cold mill and resurface, ditching	CON	480	STUL			120	CNTY	600		600
	JACKSON	JCDOT	South	Flansburgh to M 50	Wedge, chip seal, fog seal	CON	180	STUL			45	CNTY	225		225
	JACKSON	JCDOT	Seymour	Elm to Dettman	Cold mill and resurface, ditching	CON	556	STUL			139	CNTY	695		695
	JACKSON	JCDOT	Shirley	Springport to Parrall	Cold mill and resurface	CON	464	STUL			116	CNTY	580		580
	JACKSON	JCDOT	Shirley	Lansing to Springport	Cold mill and resurface	CON	464	STUL			116	CNTY	580		580
	JACKSON	JCDOT	S. Jackson	Ferguson to Lexington	Wedge, chip seal, fog seal	CON	220	STUL			55	CNTY	275		275
	JACKSON	JCDOT	S. Jackson	Lexington to Kimmel	Cold mill and resurface	CON	580	STUL			145	CNTY	725		725
	JACKSON	JCDOT	Boardman	Maynard to Airport	Reconstruct and stabilize soils	CON	560	STUL			140	CNTY	700		700
	JACKSON	JCDOT	Hague	McDevitt to Marion	Reconstruct, curb and gutter, storm sewer, resurfacing	CON	640	STUL			160	CNTY	800		800
	JACKSON	JCDOT	Hague	Marion to Kimmel	Cold mill and resurface	CON	480	STUL			120	CNTY	600		600
	JACKSON	JCDOT	High	S Brown to Warren	Cold mill and resurface, curb and gutter, drainage, replace bike path	CON	380	STUL			95	CNTY	475		475

Appendix E

Resolution to Adopt FY 2017-2020

JACTS Transportation Improvement Program

**REGION 2 PLANNING COMMISSION RESOLUTION TO ADOPT
THE FISCAL YEAR 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM**

Resolution of the Region 2 Planning Commission (R2PC) to adopt the Transportation Improvement Program (TIP) for FY 2017-2020.

WHEREAS, the R2PC is the organization designated by the Governor as being responsible together with the state for carrying out the provision of 23 U.S.C 134 (Metropolitan Transportation Planning); and

WHEREAS, the R2PC is responsible for overseeing the metropolitan transportation planning process and making related decisions; and

WHEREAS, the metropolitan transportation planning process for the Jackson urbanized area has been certified according to the requirements of 23 CFR 450; and


WHEREAS, the FY 2017-2020 TIP includes a financial plan that identifies sources of anticipated revenues and relies on projected federal funding levels to estimate future funding levels and thus is financially constrained; and

WHEREAS, the FY 2017-2020 TIP includes a year-by-year list of priority projects consistent with the JACTS 2040 Long Range Transportation Plan; and

WHEREAS, an analysis of the projects/programs in the FY 2017-2020 TIP was conducted in accordance with Executive Order 12898 relating to environmental justice and determined that this TIP's projects/program did not have disproportionately high and adverse human health or environmental effects on minority or low-income populations; and

WHEREAS, the FY 2017-2020 TIP was developed with the opportunity for public input and comment;

NOW, THEREFORE, BE IT RESOLVED that the Region 2 Planning Commission adopts the FY 2017-2020 Transportation Improvement Program.



Carl Rice, Jr., Chair
Region 2 Planning Commission

7/14/2016

Date

Appendix F

Final Approval of FY 2017-2020

JACTS Transportation Improvement Program



U.S. Department
of Transportation

September 28, 2016

Federal Highway Administration
315 W. Allegan Street, Room 201
Lansing, MI 48933

Federal Transit Administration
200 W. Adams Street, Suite 320
Chicago, IL 60606

Mr. Dave Wresinski
Director
Bureau of Transportation Planning (B340)
Michigan Department of Transportation
Lansing, Michigan

**FY 2017-2020 Statewide Transportation Improvement Program (STIP) Approval
and Federal Planning Finding**

Thank you for the submittal of the FY 2017-2020 Statewide Transportation Improvement Program (STIP) for the State of Michigan. The Federal Highway Administration (FHWA) is in receipt of all MPO FY 2017-2020 TIPs, which were included in the STIP by reference. FHWA and our partners at the Federal Transit Administration (FTA) have reviewed the development of the STIP and find it was developed in accordance with the regulations pertaining to the development and content of statewide transportation improvement programs (23 CFR 450.218).

Recent related action included the September 9, 2016 determination that the FY17-20 TIP for Southeast Michigan was developed in accordance with air quality conformity regulations of 40 CFR 93. With this approval, the FY 2017-2020 STIP will be the officially recognized STIP for Michigan, which incorporates each MPO FY2017-2020 TIP by reference.

Per 23 CFR 450.218(e), FHWA approves the Federal Lands Highway program TIP for inclusion in the STIP. See attached documentation regarding the Federal Lands Highway FY2017-2020 TIP projects, previously provided to your staff.

Also attached is the Federal Planning Finding. The finding is a formal action taken by the FHWA and FTA, with the approval of the STIP, to ensure that STIPs and TIPs are developed according to Statewide and metropolitan transportation planning processes, as found in 23 U.S.C. 134-135 and 49 U.S.C. 5303-5304.

Sincerely,

JASON
MICHAEL
CIAVARELLA

Digitally signed by JASON
MICHAEL CIAVARELLA
DN: c=US, o=U.S. Government,
ou=DOT FRACHicagoIL, ou=FTA
FRACHicagoIL, cn=JASON
MICHAEL CIAVARELLA
Date: 2016.09.28 12:50:08 -05'00'

R. Stewart McKenzie
Community Planner
Federal Transit Administration

Sincerely,

ANDREW
C PICKARD

Digitally signed by ANDREW C
PICKARD
DN: c=US, o=U.S. Government,
ou=DOT FHWA LansingMI,
ou=FWHA FHWA LansingMI,
cn=ANDREW C PICKARD
Date: 2016.09.28 13:53:33 -04'00'

Andy Pickard
Senior Transportation Planner
Federal Highway Administration

Enclosure

LJH

By e-mail

cc: Denise Jones, MDOT
Stewart McKenzie, FTA
Andy Pickard, FHWA
Andrea Dewey, FHWA
Jeff Forster, FHWA
Mark Lewis, FHWA
Mike Ivey, FHWA
Russell Jorgenson, FHWA
Ted Burch, FHWA
Tim Marshall, FHWA

File Directory: O:\FHWA Records\TRAP Transportation Planning\TRAP 37 Statewide
Transportation Improvement Program (STIP)\Transportation Improvement Plans (TIP) Files
File Name: FY17-20 STIP Approval_AP_09282016.docx