

# Unified Work Plan

## Twin Cities Area Transportation Study



Prepared By:

Southwest Michigan Planning  
Commission

In Cooperation With:

Twin Cities Area Transportation Study  
Technical Advisory & Policy  
Committees

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## INTRODUCTION

Metropolitan Planning Organizations (MPOs) are federally designated agencies existing in all census-designated urban areas with a population of 50,000 or more. An MPO's purpose is to prioritize, plan, and program transportation projects in order to receive federal transportation funding. The MPO for the Benton Harbor-St. Joseph Urbanized Area is called the Twin Cities Area Transportation Study (TwinCATS). The MPO is staffed by the Southwest Michigan Planning Commission (SWMPC), which is the federally recognized planning agency for the Benton Harbor St. Joseph Urbanized Area. Federal legislation governing the MPO process (23 USC 134) requires MPOs to carry out a continuing, cooperative, and comprehensive (3C) metropolitan planning process. To achieve this the TwinCATS MPO works closely with partner agencies including the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Michigan Department of Transportation (MDOT), local elected leadership, local planning and public works directors, the business community, and citizens across the 14 jurisdictions within the Benton Harbor-St. Joseph metropolitan planning area. As part of the planning process, the MPO develops the region's long-range transportation plan and Transportation Improvement Program (TIP). SWMPC staff serves as a guide regarding the MPO process and requirements. All project funding decisions are made by local officials through an open public meeting process at TwinCATS.

The TwinCATS Fiscal Year 2020 Unified Work Program (UWP) describes all of the transportation and supporting planning activities that are anticipated to be carried out by TwinCATS staff during the period of October 1, 2019 - September 30, 2020. This document is adopted annually in cooperation with MDOT, and MPO members to ensure that the most pressing regional transportation issues in the Benton Harbor-St. Joseph area are being addressed by the TwinCATS MPO. In addition, the UWP is a requirement for receiving federal funding for transportation projects.

The UWP includes:

- A detailed description of the programs, projects, and tasks that the MPO plans to undertake in FY 2020.
- A budget for how much funding will be assigned to each program area.
- Deadlines for completion of the deliverable items in each task.
- A listing of resources (partner agencies or otherwise) that the MPO will use to accomplish the tasks.

## TwinCATS Study Planning Area and Membership

At a minimum, a Metropolitan Planning Area (MPA) must cover the urbanized area and contiguous geographic areas likely to become urbanized within the next 20 years. In FY 2013, the TwinCATS MPO reviewed the 2010 urbanized boundary with the assistance of MDOT. Because of the revised urban boundary, the TwinCATS MPA was extended to include Hagar Township and in 2016, the MPO committee approved adding Hagar Township as a member of the Technical Advisory and Policy Committees. The TwinCATS MPO includes the following jurisdictions who each have voting representation on the TwinCATS Policy Committee:

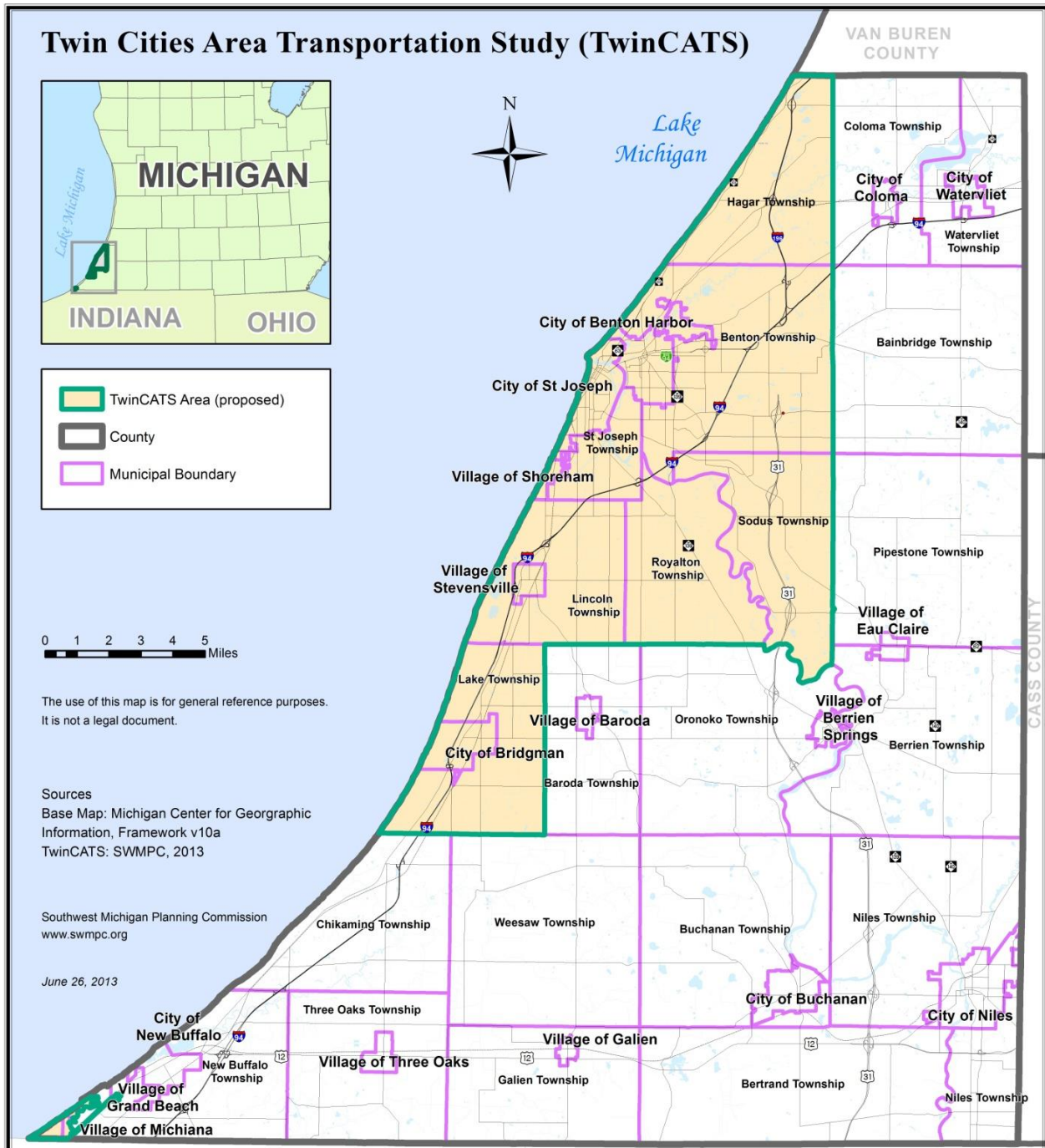
Cities/Villages:	Townships:
City of Benton Harbor	Benton Charter Township
City of Bridgman	Hagar Township
City of St. Joseph	Lake Charter Township
Village of Grand Beach*	Lincoln Charter Township
Village of Michiana*	Royalton Township
Village of Shoreham	St. Joseph Charter Township
Village of Stevensville	Sodus Township

In addition, the following agencies are voting members of the TwinCATS Policy Committee:

- **The Berrien County Road Department**, the department that maintains roads on behalf of the townships within Berrien County.
- **The Twin Cities Area Transportation Authority (TCATA)**, the designated urbanized public transit provider, serving a portion of the Benton Harbor-St. Joseph Urbanized Area.
- **Cornerstone Alliance**, an economic development agency serving Berrien County
- **The Michigan Department of Transportation (MDOT)** has voting representatives from the Coloma Service Center, the Southwest Region Office, and Statewide Planning
- **Berrien County Government** is represented by members of the County Planning Commission, the Board of Commissioners and the Berrien County Road Department.

\*Because the MPO boundary is not contiguous, this area is called the TwinCATS satellite. These villages are designated by the U.S. Census as part of the Michigan City, IN urbanized area and therefore require inclusion in an MPO. Because this portion of the urbanized area is located in Michigan, the SWMPC and Northwestern Indiana Regional Planning Commission (NIRPC) entered into an agreement that SWMPC would provide transportation planning services to the Grand Beach/Michiana area.

A map of the planning area is shown on the following page.





## **Federal Transportation Legislation – State and MPO Impacts**

### **Current Federal Transportation Law**

On December 4, 2015, President Obama signed into law the Fixing America's Surface Transportation Act, or "FAST Act" - the first federal law in over ten years to provide long-term funding certainty for surface transportation. The FAST Act authorizes \$305 billion nationwide over fiscal years 2016 through 2020 for the US Department of Transportation's highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, research, technology, and statistics programs. The FAST Act represents the first long-term comprehensive surface transportation legislation since SAFETEA-LU (2005) and is a milestone for the U.S. economy – it provides needed funds and more importantly, it transforms the policy and programmatic framework for investments to guide the growth and development of the country's vital transportation infrastructure.

In the FAST Act, the metropolitan and statewide transportation planning processes are continued and enhanced to incorporate performance goals, measures, and targets into the process of identifying needed transportation improvements and project selection. Public participation remains a hallmark of the transportation planning process. Requirements for a long-range transportation plan (LRTP) and a short-term transportation improvement plan (TIP) continue, with the long-range transportation plan to incorporate performance plans required by the Act for specific programs. The long-range plan must describe the performance measures and targets used in assessing system performance and progress. The TIP must also be developed to make progress toward eight established performance targets and include a description of the anticipated achievements. The FAST Act also continues the expectation that MPOs, as a condition for receipt of Federal surface transportation funds, carry out a continuing, cooperative and comprehensive (3C) performance-based multimodal transportation planning process that results in plans and programs consistent with the planned development of the metropolitan area.

### **Performance Measures**

The Michigan Department of Transportation (MDOT), SWMPC, and other MPOs in Michigan have coordinated to develop a strong methodology and approach regarding performance measures as required by MAP-21 and the FAST Act. Work for this item has included attending meetings hosted by MDOT to discuss feasibility of measures to be created within the MPO and MDOT frameworks as well as research regarding final USDOT guidance for the development of measures within the specified areas required by MAP-21 and the FAST Act. MDOT has coordinated with SWMPC and the MPOs statewide to develop and provide access to data

necessary for the development of performance measures that will lead either to MPOs developing their own targets or agreeing to support the MDOT performance targets. The TwinCATS Policy Committee adopted resolutions that support the MDOT and public transit local targets for the following performance measures:

- Safety
- Pavement Performance
- Bridge Condition
- System Reliability
- Transit State of Good Repair

By agreeing to support the state's targets for safety, pavement, bridge, and travel time reliability, and Twin Cities Area Transportation Authority (TCATA) state of good repair targets the TwinCATS MPO agrees to:

- Working with MDOT and stakeholders to address areas of concern regarding fatalities and serious injuries, pavement, bridges, system performance and freight within the MPO planning area.
- Work with TCATA to address area of concern regarding transit and transit asset management.
- Integrate into the MPO transportation planning process the goals, objectives, performance measures and targets described in other MDOT plans and processes.

## **Local Transportation Issues and FHWA Planning Emphasis Areas**

The transportation planning program conducted by the SWMPC is designed to be responsive to both federal and state regulations, as well as address local transportation issues. Many of the issues that are of concern locally are not unique to the Benton-Harbor St. Joseph area, and align closely with the planning emphasis areas that were designated by FHWA. SWMPC will continue its work based on the FHWA planning emphasis areas and those of our local partners at TwinCATS. The issues below continue to be a driving force behind TwinCATS' planning efforts and are the areas of emphasis for FY 2020.

### **Safety for All Users of the Transportation System**

Many portions of the Benton Harbor-St. Joseph MPO lack adequate infrastructure for pedestrians, cyclists, transit users, and persons with disabilities. TwinCATS has developed and adopted a Complete Streets Policy because the MPO members indicated that providing facilities for people who cannot or choose not to use a personal automobile is a high priority,



even if it means reducing the number of miles of pavement that are resurfaced or reconstructed. In addition, TwinCATS committee members understand that providing transportation infrastructure for all users will further economic development prospects in the region by giving people already living in our region greater access to jobs, healthcare, food, education, and exercise. Better non-motorized infrastructure will also allow employers to attract talented employees who have expressed a preference for better pedestrian and bicycle infrastructure.

In FY 2020, two projects will be of particular importance relative to non-motorized infrastructure. The first is the continuing process of re-envisioning the Twin Cities Harbor. The harbor has been a vital resource for the region as a deep-water port for the movement of freight. In the 21<sup>st</sup> Century the time has arrived to reimagine how the harbor can be a hub for a wide range of transportation, particularly non-motorized terrestrial and marine. The second is Napier Avenue in St. Joseph Township and Benton Township. Napier Avenue is a critical commercial and residential corridor that currently lacks non-motorized facilities of any kind, aside from a few marked designated crosswalks at signalized intersections. Many pedestrians and cyclists still use this corridor, but it is very dangerous to navigate without a car. In 2018, TwinCATS received a grant to conduct a study of potential non-motorized improvements along this corridor. In 2019 the findings of that study were made available for action. Now in 2020, the community is looking for leadership to implement the plan and SWMPC should be a resource to those leaders.

*Related FHWA Planning Emphasis Area: Ladders of Opportunity/Livability and Climate Change*  
FHWA continues to promote a focus on providing access to essential services, such as employment, housing, and education. Access to essential services can help create pathways to upward social mobility for low-income individuals and families, described in shorthand as “ladders of opportunity.” Having more transportation options can provide these opportunities.

In addition, allowing people to access some of their destinations without an automobile could reduce harmful emissions and promote healthier, active lifestyles. Therefore, TwinCATS’ effort to improve non-motorized infrastructure helps address issues of livability and climate change as well.

### **Quality Public Transit Service**

The existing public transportation services in Berrien County are not adequately meeting the needs of residents and businesses. Previous studies, outreach and analysis of data all indicate that the services currently provided by the four transit agencies in the county are too complicated, unaffordable for many, and don’t sufficiently connect important destinations or

operate during the hours needed. The two largest urban areas - St. Joseph Benton Harbor and Niles are not directly connected to each other by transit. There is currently no transit or very limited service for 48 percent of the population within the TwinCATS MPO area.

- **Connectivity:** There is a need for seamless mobility and the need to connect with other modes of transportation and transit service within and outside of the County to access vital life sustaining services.
- **Service Quality:** There is a need for performance measures and standards for assessing transit performance and level of service.
- **Service Design:** There is a need for an equitable, efficient and effective countywide transit service. Challenges include establishing the appropriate mix and amount of services to address the unmet needs of youth, seniors, low-income households, people with disabilities, as well as choice riders.
- **Service Expansion:** There is a need for transit service throughout the County centered on the parameters of activity centers in urban and rural areas and within a portion of the Benton Harbor-St. Joseph urbanized area where it does not currently exist.
- **Transit Investments:** There is also a need to develop and implement a policy framework and performance based methodology for prioritizing transit investment in the county so the countywide service planning effort will be part of an on-going cycle of continuous improvement.

In 2018 the Connect Berrien Transit Service Integration Plan was released which addresses many of the issues described above. This plan proposes a true countywide public transportation system that would not only use resources more efficiently, but would also offer a simpler and more useful network to county residents and employers. The proposed system would use scheduled fixed route service for longer trips between urban areas along with feeder service to the fixed routes from rural areas.

In FY 2020, the Southwest Michigan Planning Commission will continue to support efforts to implement an integrated countywide public transportation system that will serve 100 percent of Berrien County residents as compared to 58 percent today.

### **Preserving the Existing Road Network**

Despite increased federal and state funds coming through legislation, the TwinCATS committees are still concerned with how best to spend limited funds on improvements to the road network when so much of it has deteriorated already. As of 2018, 69 percent of the

federal-aid roads in the TwinCATS area were in poor condition, meaning that significant expenditures are needed to improve the pavement condition. At the same time, many roads that are in fair condition now are in danger of deteriorating further without preventative maintenance. It has therefore become especially important that TwinCATS keep its members apprised of the pavement conditions, the latest techniques for managing pavement, and all funding sources that are available.

In FY 2020, TwinCATS will focus on educating member communities about how to leverage both federal and state funding sources, and continue to improve the use of asset management techniques for prioritizing road repairs.

*Related FHWA Planning Emphasis Area: Performance Based Planning*

In order to improve and maintain the condition of the road network, TwinCATS will need to continue to prioritize projects and target investments where they are most needed, and where they will have the most impact. Performance measures will assist TwinCATS in evaluating the success of its investments in the future.

**Regional Models of Cooperation**

TwinCATS is striving to increase collaboration between MPO members on transportation projects. In addition, SWMPC also serves as the staff for the Niles-Buchanan-Cass area MPO and are planners for the rural areas of Berrien, Cass, and Van Buren counties. SWMPC works with TwinCATS members to integrate planning throughout this entire region. Since a small portion of TwinCATS is part of the Michigan City urbanized area, TwinCATS strives to work with that area's MPO, the Northwestern Indiana Regional Planning Commission (NIRPC). In addition to regional collaboration, SWMPC works closely with Michigan Department of transportation (MDOT), the Federal Highway Administration (FHWA), and the Federal Transit Administration (FTA), to ensure all planning is done in accordance with state and federal guidelines.

The transportation work associated with the TwinCATS MPO is a subset of the regional planning work done within SWMPC. As such, there are regular opportunities for the regional planning work done by the SWMPC to compliment the transportation work done. These areas of cross-pollination include environmental planning, economic development planning, health planning, and community planning such as master and recreation planning.

The SWMPC is a member of numerous groups that engage in regional planning within southwest Michigan. Those groups include the Michigan's Great Southwest Strategic Leadership Council (MGSSLC), Be Healthy Berrien (BHB), Michigan's Great Southwest Sustainable Business Forum (MGSSBF), Region 8 Regional Prosperity Initiative (RPI), and other

collaborations. The work done within these collaborations all have components that integrate with transportation planning. The interrelationship among them is greatly benefited in both directions by the deep understanding of the existing and planned transportation network.

*Related FHWA Planning Emphasis Area: Performance Based Planning*

The SWMPC is dedicated to improve and better define coordination between governing agencies in the selection of targets, linking planning and programming to specific metrics and targets within those metrics.

## FUNDING SOURCES

All work, including MPO staff time and consultant studies, listed in the UWP are funded by one or more of the following funding sources.

### **Federal Highway Administration Funding PL-112 and Federal Transit Administration Funding 5303**

TwinCATS receives federal funding from the Federal Highway Administration (FHWA) and from the Federal Transit Administration (FTA) for transportation planning. Legislation requires a local match for these federal funds. Prior to FY 2016, a separate match calculation was required for each funding source. Since FY 2017, MDOT has grouped the two funding sources together into a single Consolidated Planning Grant (CPG). The consequence of the CPG is that a single funding stream and a single match calculation are in place.

### **Local Jurisdiction Funding**

All federal grant funds require at least an 18.15 percent non-federal match. The MPO requests funding from the fourteen participating member jurisdictions on a proportionate fair share basis using the population from the 2010 Bureau of Census population figures. The TwinCATS Technical Committee and Policy Committee are responsible for approving the budget.

### **FHWA State Planning and Research (SPR) Grant Funds.**

SPR funds are federal dollars from the State Planning and Research Program administered by the Michigan Department of Transportation. Some SPR funds are allocated to the MPO to help with planning studies. A twenty percent match is required that is provided by MDOT. At the writing of this document, no SPR funds have yet been budgeted for TwinCATS.

**FHWA & FTA  
Federal and Local Budget**

	Federal	Match	Total
CPG Funds	\$182,918	\$40,562	\$223,480
SPR Funds	\$0.00	\$0.00	\$0.00
Total	<u>\$182,918</u>	<u>\$40,562</u>	<u>\$223,480</u>

A breakdown of the local match requirements by jurisdiction is shown on the following page.

**FY 2020 Local Match Calculation**

<b>Jurisdiction</b>	<b>Population</b>	<b>Percentage of Total Population (2010)</b>	<b>Share of CPG Local Match</b>
<b>Benton Charter Township</b>	14,749	19.94%	\$8,567
<b>Hagar Township</b>	3,671	4.96%	\$2,013
<b>Lake Charter Township</b>	2,972	4.02%	\$1,726
<b>Lincoln Charter Township</b>	13,549	18.32%	\$7,870
<b>Royalton Township</b>	4,766	6.44%	\$2,768
<b>St. Joseph Charter Township</b>	9,166	12.39%	\$5,324
<b>Sodus Township</b>	1,932	2.61%	\$1,122
<b>Village of Shoreham</b>	862	1.17%	\$501
<b>Village of Stevensville</b>	1,142	1.54%	\$663
<b>Village of Grand Beach</b>	272	0.37%	\$149
<b>Village of Michiana</b>	182	0.25%	\$100
<b>City of Benton Harbor</b>	10,038	13.57%	\$5,831
<b>City of Bridgman</b>	2,291	3.10%	\$1,331
<b>City of St. Joseph</b>	8,365	11.31%	\$4,859
<b>Total</b>	<b>73,957</b>	<b>100.00%</b>	<b>\$40,562</b>

*Source: Population based on 2010 Census*



## Funding Categories

To track MPO progress and spending, the FY 2020 budget and work items in this UWP are divided into the following four categories:

1. **Program Administration:** Covers all of the administration and other supporting tasks that are required to ensure efficient operation of the TwinCATS MPO.
2. **Data Collection, Analysis, and Reporting:** The gathering of transportation related data including the traffic count program. It also includes most mapping and GIS related tasks as well as any work related to the analysis, display, or reporting of data.
3. **Transportation Planning:** Includes technical assistance to members, public outreach, the administration of special plans, and updating the Long Range Plan.
4. **Transportation Improvement Program (TIP):** The TIP is a listing of all federal or state funded transportation projects in the TwinCATS planning area. The TIP work category covers project selection, TIP development, monitoring project status, and processing amendments.

**Budget by Work Element**

Work Element	Amount
<b>1.0 Program Administration</b>	\$62,574
<b>2.0 Data Collection, Analysis and Reporting</b>	\$58,105
<b>3.0 Transportation Planning</b>	\$53,635
<b>4.0 Transportation Improvement Program (TIP)</b>	\$49,166
<b>Total</b>	\$223,480

*\*The totals shown here are actual totals, rounded to the nearest dollar. Thus, they may appear inconsistent throughout the document, by an amount no more than \$1.00.*

The following section describes each work category in further detail, with subcategories for each major work element. It provides an objective for each subcategory and the major procedures and tasks that will be carried out. It also gives a list of outcomes with a timeline that can be used as a basis for tracking staff work and budget. The timeline will either specify the quarter in which the outcome will be complete, the frequency of the task, or list the outcome to be done on an as needed basis. As needed means that at this time we cannot predict exactly when or how frequently we might undertake these tasks.

# 1 PROGRAM ADMINISTRATION

## 1.1 Program Management and Support

**Objective:** Conduct administrative activities necessary for the efficient operation of the TwinCATS MPO.

**Procedures and Tasks:** Administration activities are undertaken to ensure MPO compliance with applicable federal and state regulations and ensure a successful MPO, which can carry out all of the other work tasks contained in the UWP. Program management and support includes:

- **Administering the MPO's committees:** Manage the Policy Committee, Technical Advisory Committee, and Walk and Roll Subcommittee, which includes developing meeting materials (agenda, minutes, and presentations), providing committee education through presentations and handouts, revising the committee handbook, and updating the TwinCATS website.
- **Reviewing and updating documents:** This includes an annual review of both the Policy and Technical Advisory Committee bylaws to ensure they are up to date and provide clear roles and procedures for the MPO committees. This also includes a periodic review and update of the memorandum of understanding (MOU) that TwinCATS maintains with MDOT, the Northern Indiana Regional Planning Commission (NIRPC), and the Twin Cities Area Transportation Authority (TCATA).
- **Preparation of reports to state and federal partners:** The preparation of reports regarding transportation planning activities funded through PL112 and Section 5303. It includes an annual report and quarterly progress reports, which document TwinCATS accomplishments. It also includes annually submitting the disadvantaged business enterprise report and the title VI reports to MDOT to ensure compliance with all relevant regulations.
- **Accounting and Budget:** This includes tracking the spending of the TwinCATS budget and reporting expenditures to MDOT, as well as any other task related to the fiscal management of the MPO.

Outcome	Timeline
Adherence to all appropriate planning regulations through coordination with state and federal agencies	Continuous
Preparation of Policy Committee and Technical Committee meeting materials such as agendas and meeting minutes	Monthly
Preparation of presentations to committee members on transportation topics	Continuous
Maintenance of MPO web pages	Continuous
Create and maintain project specific website applications, sections and/or additional websites as needed for transportation planning activities	As Needed
Review of committee bylaws	Annually
Review and update of MOUs	As Needed
Activity and financial reporting to Michigan Department of Transportation	Continuous
Completion of Disadvantaged Business Enterprises Reports	1 <sup>st</sup> Quarter
Annual Title VI Report	1 <sup>st</sup> Quarter
Quarterly and progress reports and other documentation detailing work completed.	Quarterly
Annual Report	1 <sup>st</sup> Quarter

## 1.2 Interagency Coordination

**Objective:** Work with state, federal, and regional partners on common goals and issues affecting transportation in the wider region, state, and nation.

**Procedures and Tasks:** Staff participates in a variety of programs where they collaborate with other organizations to work toward common goals. Staff engage with the following organizations:

- **Westrain:** SWMPC will chair and participate in the Westrain Collaborative, which seeks to preserve, promote, and improve passenger rail service in West Michigan.
- **Michigan Transportation Planning Association (MTPA):** An association of public organizations and agencies, which are responsible for transportation planning activities throughout Michigan. Staff also work with a subgroup of the MTPA comprised of smaller MPOs to address the unique challenges faced in areas with smaller population and limited resources.
- **Michigan Public Transit Association (MPTA):** Provides leadership, resources, support, and technical assistance to advocate and strengthen public transportation in Michigan. Staff attends the Legislative Conference and the MPTA annual conference to; develop and maintain communication with federal, State and local governments and exchange information and ideas to improve public transit.
- **Regional Prosperity Initiative (RPI):** The RPI is collaboration between different sectors of government within the seven counties comprising the southwest RPI region (Region 8).
- **Be Healthy Berrien:** A partnership of organizations interested in improving health in Berrien County. Staff provides insight into how transportation can be used as a tool for promoting active lifestyles.
- **The Twin Cities Harbor Conservancy:** With the elimination of the St. Joseph River Harbor Authority, a group of stakeholders has been meeting regularly to discuss the future of the harbor including governance and potential developments.
- **Michigan's Great Southwest Strategic Leadership Council:** A council made up of business, non-profit, and community leaders who work on improving quality of life in Berrien County.
- **University Center for Regional Economic Innovation (REI) Consultative Panel:** SWMPC serve on the counsel that advises the REI University Center faculty and staff on the overall project objectives and scope of work. The REI is a program of Michigan State University that works to improve the economy in Michigan's most vulnerable communities.
- **The Quad State Directors:** Meetings of the directors of Northwestern Indiana Regional Planning Commission, Chicago Metropolitan Agency for Planning, and Southeast Wisconsin Regional Planning Commission, and SWMPC

Outcome	Timeline
Attend and participate in:	
Michigan Association of Regions meetings	Bi-Monthly
Michigan Transportation Planning Association, Michigan Public Transportation Association, Michigan's Great Southwest Strategic Leadership Council, Be Healthy Berrien, The Twin Cities Harbor Conservancy, Region 8 Regional Prosperity Initiative, and the University Center for Regional Economic Innovation Consultative Panel	Monthly
Quad State Directors, Westrain	Quarterly
MTPA and MPTA annual conferences	Annually
Provide additional support to the above organizations	As Needed
Written comments on other studies as appropriate	As Needed
Preparation and distribution of various maps, program guidelines and other transportation or land use materials for outside groups or agencies	As Needed
Public presentations as requested	As Needed

### 1.3 Professional Development and Technical Training

**Objective:** Keep staff trained on the latest regulations, rules and procedures related to transportation planning.

**Procedures and Tasks:** Professional development and training are fundamental components of maintaining a qualified, up-to-date professional staff. As new regulations and guidance are developed, staff will seek out resources to ensure compliance. This will include staff attending training sessions hosted by state and federal agencies on new rules, regulations, and guidance for topics that include performance-based planning and programming. In addition, staff will attend relevant conferences and workshops to learn about the best practices in transportation planning. Whenever possible, staff will use webinars, online courses, and other digital resources for training to reduce the cost of travel.

Outcome	Timeline
Staff trained in the latest techniques and best practices in the field of planning.	Continuous
Monitoring and review new federal and state legislation regarding transportation planning regulations, transportation systems funding, and other relevant transportation regulations	Continuous
Attend state or federally sponsored trainings on new regulation and rules	As Needed
Attendance at conferences and workshops for professional development and training of staff	As Needed
Use of digital educational tools to stay apprised of latest developments in transportation planning	As Needed



## 1.4 Unified Work Program (UWP)

**Objective:** Develop TwinCATS's Unified Work Program (UWP) for Fiscal Year 2021, as well as monitor the implementation of the FY 2020 work program and making amendments as necessary.

**Procedures and Tasks:** Staff will also consult with the FHWA, MDOT, and the MPO committees to identify appropriate work elements for the 2021 UWP. MDOT staff will determine what level of federal funding (PL112, Section 5303, etc.) will be allocated. TwinCATS staff will then determine the appropriate assignment of these funding allocations to the various work elements, and determine the amount of local matching funds that will be requested. Staff will make amendments to the 2020 UWP if new funding sources are granted.

Outcome	Timeline
Pre UWP meeting	2 <sup>nd</sup> Quarter (March 2020)
Development of FY 2021 Unified Work Program and Budget in conjunction with appropriate local, state, and federal agencies.	3 <sup>rd</sup> Quarter (May 2020)
Amendments to the 2020 UWP	As Needed

## 1.5 Air Quality Conformity

**Objective:** The Clean Air Act Amendments of 1990 (CAAA) established the mandate for better coordination between air quality and transportation planning. The CAAA requires that all transportation plans and transportation investments in non-attainment and maintenance areas be subject to an air quality conformity determination. The purpose of such determination is to demonstrate that the Long Range Transportation Plan (LRTP) and Transportation Improvement Program (TIP) conform to the intent and purpose of the State Implementation Plan (SIP). The intent of the SIP is to achieve and maintain clean air and meet National Ambient Air Quality Standards (NAAQS). Therefore, for non-attainment and maintenance areas, the LRTP and the TIP must demonstrate that the implementation of projects does not result in greater mobile source emissions than the emissions budget.

On October 1, 2015 the United States Environmental Protection Agency (EPA) set the primary and secondary national ambient air quality standard (NAAQS) for ground-level ozone at 70 parts per billion (or 0.070 parts per million). Berrien County was designated non-attainment for the 2015 ozone standard. Therefore the TwinCATS MPO, which is completely within Berrien County had until August 3, 2019 to conform the existing LRTP.

**Procedures and Tasks:** Staff will work with and assist MDOT on Michigan Transportation Conformity -Interagency Workgroups (MITC-IAWG) and develop regional transportation conformity analysis to ensure projects are consistent with the SIP.

Outcome	Timeline
Participate in MITC-IAWG	Continuous
Provide assistance to MDOT for regional transportation conformity analysis	Continuous
Facilitate conformity analysis through committee process	Continuous
Ensure regionally significant projects are reviewed	As Needed
Conduct public participation for conformity analysis determination	As Needed

## 2 DATA COLLECTION, ANALYSIS, AND REPORTING

### 2.1 Transportation System Data Collection

**Objective:** Collect data on the state of the transportation network including traffic counts, Highway Performance Management System (HPMS) data, Model Inventory of Roadway Elements (MIRE), and any other data request by MDOT.

**Procedures and Tasks:** Staff will solicit and fulfill traffic count requests from member jurisdictions, as well as fulfilling rail-crossing counts from MDOT. Staff will continue to identify areas that have not had counts for several years and determine if updated counts are necessary. Staff will coordinate the traffic count program with MDOT and the local road agencies to ensure the best count coverage while reducing duplication. The collected counts will result a clear picture of traffic levels through the region and will be used for travel demand modeling. Counts will be made publicly available in both map and database form via the SWMPC website. Staff will also work with MDOT to provide data as requested including for the Highway Performance Monitoring System (HPMS) and Model Inventory of Roadway Elements (MIRE). In addition, SWMPC field staff will collect other roadway data including information on culverts.

Outcome	Timeline
Management of the traffic count program.	Continuous
Updated traffic counts on roads where development has occurred or land use has changed.	3 <sup>rd</sup> & 4 <sup>th</sup> Quarter
Collection of traffic counts as requested by member jurisdictions.	3 <sup>rd</sup> & 4 <sup>th</sup> Quarter
Up to date searchable online data base of requested traffic counts	Continuous
Collection equipment in state of good repair	Continuous
Coordination with local road agencies to obtain HPMS & MIRE data.	2 <sup>nd</sup> & 3 <sup>rd</sup> Quarter

## 2.2 Data Mapping, Analysis, and Reporting

**Objective:** Effectively research, maintain, monitor, and analyze a wide variety of data and information needed for the comprehensive transportation planning process.

**Procedures and Tasks:** Facilitate better data-driven decision making by communicating the results of transportation data analysis. Present transportation analysis to MPO members and the public using maps and graphics to make transportation issues easier to understand. Prepare necessary technical reports on a wide variety of transportation issues that will impact the MPO and our participating agency's overall planning coordination.

Staff will continue to create online mapping tools in addition to creating hard copy maps upon request. Staff will also publish reports on performance measures, and other topics of interest for MPO members. System performance data encompasses all information necessary for good decision-making, including traffic counts, safety, demographics, economic indicators, and land use.

Outcome	Timeline
Data necessary for transportation system performance, socioeconomic, demographic, land use, and environmental analysis.	Continuous
Mapping of land use, transportation systems, crashes, economic data etc. to facilitate decision-making.	Continuous
Annual report on federal and local performance measures and targets	3rd Quarter
Catalog of data sets for use in GIS applications and other types of analysis.	Continuous
Proficiency in ARCPRO & ARC GIS Online Software.	Continuous
Identification of changes in land use plans and assessment of their impacts on transportation.	Continuous
Online/interactive mapping applications to display data on land use, transportation, environmental, and socio-economic factors.	Continuous
Identification of possible impacts to critical environments and vulnerable populations by proposed and approved 2020-2023 TIP projects.	3 <sup>rd</sup> Quarter

## 2.3 Asset Management

**Objective:** Provide technical assistance to the Asset Management Council (TAMC) as required by Public Act 499 of 2002.

**Procedures and tasks:** The resources allocated to the Metropolitan/Regional Planning Organization (MPO/RPO) from the Transportation Asset Management Council (TAMC) annual budget shall be utilized to assist in the completion of the TAMC Work Program. All work shall be consistent with the policies and priorities established by the TAMC. All invoices submitted for reimbursement of Asset Management activities shall utilize Michigan Department of Transportation (MDOT) standard invoice forms and include the required information for processing. The MPO/RPO shall complete the required products and perform tasks according to the timeframes and directives established within TAMC's data collection policies, which are located on the TAMC website

([https://www.michigan.gov/documents/tamc/Policy\\_for\\_Collection\\_of\\_Roadway\\_Surface\\_Condition\\_Data\\_602939\\_7.pdf](https://www.michigan.gov/documents/tamc/Policy_for_Collection_of_Roadway_Surface_Condition_Data_602939_7.pdf)). The MPO/RPO will emphasize these tasks to support the top 125 Public Act 51 agencies (agencies that certify under Public Act 51 a minimum of 100 centerline miles of road) within the planning area when resources are limited. The activities eligible for TAMC reimbursement include the following:

### TASKS

1. Training Activities
  - A. Attendance at training seminar(s) on the use of Pavement Surface Evaluation and Rating (PASER) and Inventory-based Rating System for unpaved roadways.
  - B. Represent MPO/RPO at TAMC-sponsored conferences and seminars, including attending either the spring or fall TAMC Conference.
  - C. Attend TAMC-sponsored Investment Reporting Tool (IRT) training seminars.
  - D. Attend TAMC-sponsored Asset Management Plan Development training seminars.
2. Data Collection Participation and Coordination
  - A. Federal Aid System:
    - 1) Organize schedules with Public Act 51 agencies within MPO/RPO's boundary for participating in Federal Aid data collection efforts; ensure all participants of data collection have access to State of Michigan travel reimbursement rates.
    - 2) Coordinate, participate, and facilitate road surface data collection on approximately one-half of the Federal Aid System in accordance with the TAMC Policy for the Collection of Roadway Condition Data on Federal Aid Eligible Roads and Streets.
    - 3) Collect unpaved roadway condition data on approximately half of any unpaved Federal Aid eligible roadways using the Inventory-based Rating System developed by the Michigan Technological University's Center for Technology and Training.
  - B. Non-Federal Aid System:

- 1) The RPO/MPO may allocate reimbursements for Non-Federal Aid data collection to Public Act 51 agencies according to the resources available to them in the manner that best reflects the priorities of their area and supports the TAMC work.
  - 2) Coordinate Non-Federal Aid data collection cycles with Public Act 51 agencies with an emphasis on the top 125 agencies.
  - 3) Ensure all participants of data collection understand procedures for data sharing with TAMC as well as TAMC policy and procedures for collecting Non-Federal Aid data.
  - 4) Participate and perform data collection with Public Act 51 agencies on an as-needed basis for the data collection of Non-Federal Aid roads when requested.
3. Equipment
  - A. Ensure rating teams have the necessary tools to complete the federal aid data collection activity by maintaining a laptop compatible with the Laptop Data Collector and Roadsoft programs, a functioning Global Positioning System (GPS) unit, and other required hardware in good working order.
  - B. Communicate any equipment needs and purchases with the TAMC Coordinator; laptops are eligible for replacement on a three-year cycle.
4. Data Submission
  - A. Develop and maintain technical capability to manage regional Roadsoft databases and the Laptop Data Collector program; maintain a regional Roadsoft database that is accurate and consistent with local agency data sets.
  - B. Coordinate Quality Assurance/Quality Control activities and data submission tasks according to protocols established in TAMC Data Collection Policies for Federal Aid and Non-Federal Aid Roads.
  - C. Monitor and report status of data collection efforts to TAMC Asset Management Coordinator through monthly coordinator calls and/or monthly or quarterly program updates that are mailed with invoices.
  - D. Provide links on agency websites and reports to the TAMC website, interactive maps and dashboards for the dissemination of roadway data.
5. Asset Management Planning
  - A. Participate and attend TAMC-sponsored training and workshops in order to provide technical support for Asset Management Plan development activities.
  - B. Provide an annual reporting of the status of Public Act 51 agency Asset Management Plans and keep abreast of the status of these plans for updates and revision.
  - C. Provide technical assistance and training funds to Public Act 51 agencies during the development of local Asset Management Plans using TAMC templates when applicable; coordinate these tasks with an emphasis on the Top 125 agencies.
6. Technical Assistance
  - A. Provide technical assistance to local agencies in using the TAMC reporting tools for planned and completed infrastructure investments or any other TAMC Work Program Activity.
  - B. Integrate PASER ratings and asset management into project selection criteria:
    - 1) Analyze data and develop road preservation scenarios.
    - 2) Analyze performance of implemented projects.



Outcome	Timeline
PASER data for Federal Aid System submitted to TAMC via the IRT.	1 <sup>st</sup> Quarter
PASER data for Non-Federal Aid System submitted to TAMC via the IRT.	1 <sup>st</sup> Quarter
Quarterly reports submitted with invoices to TAMC Coordinator.	Quarterly
Create an Annual Report of Asset Management program activities as well as a summary of annual PASER condition data by local agency, functional classification, and Public Act 51 Legal System; provide links to the Regional Annual Report on agency website and submit copies to TAMC Coordinator by April 1 of each year.	2 <sup>nd</sup> Quarter
Prepare a draft status report of Public Act 51 agency Asset Management activities and plans within MPO/RPO boundary by September 30 of each year.	4 <sup>th</sup> Quarter

## 2.4 Functional Classification System Updates

**Objective:** Review the National Functional Classification (NFC) based on changes to traffic counts and local development to determine if updates are required. Assist road agencies with the NFC reclassification process.

**Procedures/Tasks:** The National Functional Classification (NFC) is a federal system of classifying all streets, roads, and highways according to their function. The NFC determines federal-aid eligibility of roadways. Local road agencies are charged with approving any change to the NFC on roads within their jurisdiction. As traffic volumes and land use change, roads must adapt. Occasionally these changes alter the function of a road such that a change in the NFC is required. Staff will stay informed about major changes to land use, and traffic volumes to identify when a NFC change might be warranted. TwinCATS will coordinate NFC revisions with the Michigan Department of Transportation (MDOT) and the appropriate road agencies within the planning area.

Outcome	Timeline
Work with local jurisdictions and Michigan Department of Transportation to determine if changes to the NFC classifications are required	As needed
Provide technical assistance to local road agencies in the reclassification process.	As needed

## 3 TRANSPORTATION PLANNING

### 3.1 Planning Technical Support to MPO Members

**Objective:** Provide technical assistance to the public and MPO members; including public transit providers, local jurisdictions, MDOT, and federal agencies.

**Procedures and Tasks:** Technical assistance is a constant work item for the SWMPC and includes planning activities such as impact studies, master plan reviews, corridor reviews, or other coordination or data collection tasks to assist other organizations in implementing transportation-related projects. This work item will also include assisting members in preparing documentation for funding applications. Staff will provide technical assistance in the following areas:

- **Non-Motorized Planning:** Staff strive to examine non-motorized transportation from the perspective of users, paying extra attention to the needs of the elderly, persons with disabilities, non-drivers, and transit riders. Working with a bicycle and pedestrian subcommittee, called the Walk and Roll Committee, TwinCATS published a non-motorized plan. Staff will work with the Walk and Roll committee to assist communities in implementing and updating this plan and applying for non-motorized funding such as Transportation Alternatives Program (TAP) grants.
- **Congestion Mitigation and Air Quality (CMAQ):** Staff assists with the administration of the CMAQ program, including convening meetings and monitoring the status of CMAQ projects. As air quality standards change staff keep MPO members apprised of any changes that affect CMAQ funding and eligibility.
- **Highway Safety Improvement Program (HSIP):** Staff will promote the HSIP program and assist with applications. This includes providing safety data and analysis for use in project applications.
- **Transit Planning:** Staff works with the area's transit providers to assist with the following: maintaining an inventory of public and private transportation services, analysis of any proposed changes to existing routes and plans for new routes, state of good repair for transit assets.

Outcome	Timeline
Sharing of expertise and knowledge with appropriate agencies and the general public	Continuous
Applications prepared	Continuous
Meetings of the Walk and Roll Committee	As Needed
Assistance with implementation of the Walk and Roll Plan	Continuous
Meeting of CMAQ stakeholders	2 <sup>nd</sup> Quarter
Monitoring of air quality conformity designation	As Needed
Providing safety data for use in HSIP applications	As Needed
Assistance to public transit providers	Continuous

## 3.2 Public and Stakeholder Outreach

**Objective:** Follow the SWMPC Public Participation Plan when carrying out all planning activities by: Informing the general public, local officials and the TwinCATS committee members about transportation related issues and MPO activities, and providing the opportunity for public involvement in all transportation planning initiatives undertaken by TwinCATS.

**Procedures and Tasks:** A robust and ongoing public involvement process is a vital component to successful transportation planning. The SWMPC Public Participation Plan provides guidance for this by requiring the following: providing complete information to the public and stakeholders, timely public notice of TwinCATS meetings, public comment periods, full public access to key decisions and decision-making processes; and support for early and continuing involvement of the public in all planning and programming activities. For all planning initiatives, staff will engage in numerous activities to encourage public involvement. Appropriate means of announcement such as newspaper notices, direct mailings, the SWMPC web site, and social media, will be used as appropriate. Staff will continue its efforts to make TwinCATS documents and meeting material easily accessible online. Staff will also use a variety of education and outreach methods to help promote public awareness of transportation issues and TwinCATS involvements. All public outreach efforts will be documented and reviewed to make improvements to the process. Staff will also periodically review the Public Participation Plan and make updates to ensure the plan reflects the best practices in public engagement.

Outcome	Timeline
A well informed public who are able to have their wishes reflected in the work TwinCATS conducts.	Continuous
Documentation of the public involvement process.	Continuous
Documentation of public notices placed to solicit public involvement in planning initiatives.	Continuous
Articles written for the SWMPC newsletter.	Quarterly
Educational materials to promote awareness of transportation issues.	As Needed
Soliciting public feedback through comment forms, surveys, and other methods.	As Needed
Hosting public meetings to facilitate discussion between staff and members of the public.	As Needed
Maintaining a list of stakeholders and interested parties.	Continuous
Review of the SWMPC Public Participation Plan	Annually

### 3.3 Special Plans and Studies

**Objective:** Conduct special studies that identify solutions to specific transportation issues in the TwinCATS area.

**Procedures and Tasks:** TwinCATS has worked with consultants to prepare two special studies: The Napier Avenue Corridor Study and the Berrien Countywide Public Transit Integration Service Plan. The Berrien Countywide Public Transit Integration Service Plan was started in FY 2016 and completed in FY 2018.

#### **Napier Corridor**

This feasibility study and conceptual engineering plan provides options and costs for pedestrian, bicycling and transit facility improvements along the Napier Avenue corridor. In addition to providing solutions for pedestrians and cyclists, it will improve the viability of fixed route public transit service along this regionally important corridor. The corridor study is a pre-requisite for any potential future pedestrian, bicycling, or transit improvements.

#### **Project Outcomes (consultant):**

- Inventoried and documented all visible elements within the public right of way on Napier Avenue.
- Created two corridor alternatives for bicycle, pedestrian and public transit infrastructure along the Napier corridor.
- Matrix to evaluate proposed alternatives.
- Methodology for prioritizing non-motorized corridor and transit facility investments.
- Memorandum documenting findings and notes from public and stakeholder meetings.
- Conceptual engineering design plan for preferred alternative.
- Final Report.

#### **Berrien Countywide Public Transit Integration Service Plan**

This plan is intended to provide a vision for all public transportation in Berrien County as well as examine issues and services in adjacent counties to the extent they represent connections to and from Berrien County. The plan provides a basis for developing and delivering transit projects and programs over the next five years. The consultant considered the general needs of the traveling public as well as the specific needs of older adults, people with disabilities, students, and employers. The consultant also considered people who do not currently use local public transportation. The Countywide Transit Integration Service Plan describes how non-users may be converted to users by addressing the barriers or objections non-users have and how to overcome those barriers.



**Project Outcomes (consultant):**

- Existing and future conditions and needs analysis.
- Vision, goals, and objectives for a connected countywide transit system.
- Performance measures and standards for assessing transit performance and level of service.
- Policy framework and performance based methodology for prioritizing transit investment.
- Detailed service plan of proposed operations.
- Implementation and financial plan.

The following are the work outcomes conducted by TwinCATS staff for both of the special studies.

Outcome	Timeline
Update TwinCATS MPO committees on implementation progress by Berrien County Commission and other groups promoting a county-wide change to public transit.	Monthly
Provide any technical support or data to the groups involved in implementing changes to public transit	As Needed
Assist in creating public engagement materials and presentations.	As Needed
Assist and participate in public meetings	As Needed
Provide final report to relevant stakeholders in the area	Upon report completion

### 3.4 Human Services Transportation Coordination

**Objective:** Foster livable communities by ensuring public transportation and mobility options are accessible and integrated throughout the study area.

**Procedures and Tasks:** Continue to address the importance of transportation needs for the elderly, individuals with disabilities, and low-income residents in conjunction with ongoing public transit, paratransit, mobility management, and community-based transportation planning activities. This task will include assisting organizations to help establish or expand community-based transportation services, including active transportation, non-emergency medical transportation, senior services center transportation, and veteran transportation. Staff will provide coordination, outreach, and technical assistance to the local human service agencies including: Berrien County Health Department, Area Agency on Aging, Department of Health and Human Services, mental health, local governments, human service agencies and community organizations that seek to enhance and extend safe mobility for the area's growing elderly and disabled populations.

Outcome	Timeline
Analyze MDOT Public Transit Management System (PTMS) reports to monitor the performance of Twin Cities Area Transportation Authority for mobility-impaired populations.	Continuous
Consult and coordinate with mobility-impaired advocates to develop funding and project approaches that address access issues.	Continuous
Compile data on obstacles to access and mobility and assist in the preparation of informational materials for community education on access and mobility issues.	Continuous
Create and administer surveys as needed.	As needed
Develop strategies to create efficiencies in transportation services for the elderly and individuals with disabilities.	Continuous
Assist local sponsors in developing grant applications.	As Needed
Provide technical assistance to MDOT when needed regarding Statewide RPI Regional Coordination process and Mobility Planning process	As Needed

### 3.5 Long Range Transportation Planning

**Objective:** Implement the 2045 Long Range Transportation Plan (LRTP) that provides goals, objectives, and performance measures, to guide all future transportation activities in the NATS area.

**Procedures and Tasks:** Staff will implement the Long Range Transportation Plan *Principles in Motion 2045*, monitor current and future projections of populations, household, and employment locations with MPO communities. Key objectives will be outreach efforts to continue to inform and educate the public and other stakeholders about the goals, strategies, projects, and programs in long range plan. Special attention will be placed upon the incorporation of transit, non-motorized and intercity rail planning.

#### **Environmental Justice and Transit-Dependent Populations**

In alignment with FHWA/FTA's emphasis areas, SWMPC staff will continue to monitor demographics in the area to identify populations that depend on transit and other accessibility measures to reach life-sustaining destinations, due to age, disability, or income level. These individuals are often disqualified from the healthcare, education, or jobs they need to sustain themselves and their families because of their inability to own or operate a car. SWMPC staff will continue to work with the MPO member communities and transit agencies to identify areas where there is a persistent need for transit to help develop the long term fixed-route transit service plan for the County and other strategies for meeting the demand for transit.

#### **Environmental Quality**

SWMPC staff will continue to educate committee members on the new research and information being presented from FHWA, EPA, and others regarding climate, air quality, and water quality. Key objectives will be to include recent research and best practices into the TwinCATS planning process. SWMPC staff will be particularly focused on implementation of the new air quality standard for ozone. SWMPC staff will improve documentation and consideration of environmental consultation with outside environmental agencies including federal, state, and local partners.

#### **Freight**

Coordinate with the businesses and key agencies in developing a better comprehensive understanding of the various air, water, road and rail freight distribution points in Berrien County. The key objective of this work area in FY 2020 will be to create an inventory of stakeholders with whom we would like to talk regarding freight.

**Performance Measures**

SWMPC staff will continue to monitor the release of federal performance measures and align TwinCATS measurement of the success of LRP projects with these new measures. SWMPC staff will disseminate information on performance measures to the committees, and discuss incorporation of these measures into the next long range plan. The key objective of this task will be to ensure that TwinCATS policies and procedures align both with unique local needs and federal and state planning processes.

**Travel Demand Model Use**

SWMPC will also focus on applying the travel demand model in innovative ways that recognize that the transportation deficiencies of the region are not always tied to capacity issues. This work will include applying the model to possible road diets, non-motorized paths, and one-way to two-way conversions. A key objective of this area will be to encourage data-driven decision making that efficiently uses excess roadway capacity.

**Technological Innovation**

MPO staff will conduct research and inform committee members regarding emerging clean energy solutions and intelligent transportation systems (ITS). Specific areas to be investigated include bicycle sharing, car sharing, transit bus conversions, Smartphone applications, information displays on the transportation network, and technologies for motor vehicle accident avoidance. A key objective of these tasks will be to make sure committee members are educated on the latest technology trends when making decisions about transportation funding.

**Economic Development Linkage**

MPO staff continues to inform economic development stakeholders in Berrien County, including Michigan's Great Southwest Strategic Leadership Council, about the transportation planning process, and likewise, will continue to catalog the needs of economic development agencies regarding transportation. A key goal of this work task will be to tie future transportation investments to workforce and business needs through a common set of goals for the Long Range Transportation Plan.

Outcome	Timeline
Monitor federal guidance on performance measures	Ongoing throughout fiscal year
Research to meet the changing environmental needs and demands of the region (climate change, livability, and freight)	Ongoing throughout fiscal year
Use travel demand model to identify infrastructure and connection deficiencies within the transportation network	As Needed

## 4 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

### 4.1 Transportation Improvement Program Development

**Objective:** Manage the 2020-2023 financially constrained Transportation Improvement Program (TIP) that aids in the orderly implementation of the TwinCATS Long Range Transportation Plan.

**Procedures and Tasks:**

This task will focus on the continued development and improvement of the TwinCATS TIP and its interface with other documents, particularly as the state and region work towards the improvement of the JobNet system. All work will conform applicable rules and regulations from the Moving Ahead towards Progress for the 21st Century (MAP-21) and Fixing America's Surface Transportation (FAST) transportation authorization Acts and any new legislation. The TIP includes documentation ensuring compliance with federal, state, and regional requirements regarding financial feasibility, the planning process as well as Title VI compliance, Environmental Justice Analysis and other analysis as required.

As required by the FAST-Act, the TIP shall be designed such that once implemented, it makes progress towards achieving the performance targets. Additionally, the TIP shall also include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the TwinCATS Long Range Transportation Plan (LRTP).

**Performance-Based Planning and Programming**

The phase-in of new requirements defined in the *Final Rule for Metropolitan Transportation Planning* (May 27, 2016) states that;

*On or after May 27th, 2018 (2 years after the publication date of this rule), FHWA/FTA may only determine the conformity of, or approve as part of a STIP, a TIP that has been developed according to the provisions and requirements of this part, regardless of when the MPO developed the TIP.*

Staff will incorporate the new requirements in the development of the 2020-2023 TIP. The expected benefits of projects in the TIP will be documented as to how they will contribute to accomplishing performance targets. Overall, the benefits and performance of TIP projects will be evaluated to determine the study area's progress toward performance targets. The SWMPC

will make a dedicated effort to better align project selection criteria for the TIP with performance measure targets.

Outcome	Timeline
Conform with federal requirements including project priority setting, adhere to financial constraints and public participation.	Continuous
Update MPO Performance Measures targets once identified	On-going
Continued refinement of project evaluation process and WATS federal funding policies	Continuous

## 4.2 TIP Amendments

**Objective:** Process amendments to the 2020-2023 TIP as necessary.

**Procedures and Tasks:** Staff will accept and process amendments to the TIP, including changes to currently listed projects, deletions of projects, and new project additions. This task involves ensuring all State and federal regulations are followed such as conformity with air quality standards, financial constraints, and meeting environmental justice principles. Staff will also ensure amendments follow TwinCATS amendment policy, public participation plan, and the complete streets policy. When necessary, staff will send out a call for projects and convene separate meetings to reprogram local agency projects to use newly available federal funds. Staff will revise the TIP amendment process as necessary to make the process transparent, simple to follow, and easy to use. As amendments are made, the most up to date TIP project list will be uploaded on the website. In addition, staff will look for ways to make the TIP table of projects simpler to read with MPO members and the public. Staff will also insure that TIP projects are uploaded into JobNet and accurately maintained.

Outcome	Timeline
Manage the TIP amendment process	As Needed
Timely submittal of amendment requests to MDOT	As Needed
Develop, publish, and distribute amendments to the FY 2020-2023 TIP document.	Bi-Monthly
Current list of all projects in the TIP available on the SWMPC website.	Continuous
Call for projects and project review meetings	As Needed
Proficiency in programing projects into various JOB NET development phases.	As Needed
Participation in regional and state discussions to develop methods to streamline the TIP process	As Needed



### 4.3 Obligation Status Monitoring and Reporting

**Objective:** Track the status of all projects in the TIP to ensure projects are obligated and completed on schedule.

**Procedures and Tasks:** Staff will create project update sheets for all FY 2020 and FY 2021 projects in the TwinCATS TIP. These sheets will be used to solicit monthly updates from agencies with projects. This allows staff to keep the MPO committees informed on the status of all projects. Staff will monitor the remaining FY 2020 obligation authority from MDOT to keep the MPO committees informed so that obligation authority does not run out before all TwinCATS projects are obligated. Each year staff will produce a report on the status of projects in the TIP indicating when projects went over the estimate or produced bid savings. Staff will explore ways to report on the TIP projects that are easy to understand for MPO members and the public. This includes putting more information about projects on the SWMPC website using maps and photos to better visualize where projects are occurring and what type of work will be accomplished.

Outcome	Timeline
Monitor and report progress regarding implementation of projects in the TIP.	Monthly
Continued monitoring of projects in the FY 2020-2023 TIP	Continuous
Full utilization of bid savings	Continuous
Updating project data on the SWMPC website	As Needed

## APPENDICES

### Appendix A: Resolution of Approval

**RESOLUTION APPROVING THE TWIN CITIES AREA TRANSPORTATION STUDY  
UNIFIED PLANNING WORK PROGRAM FOR FISCAL YEAR 2020**

WHEREAS, The Southwest Michigan Planning Commission (SWMPC) is the designated Metropolitan Planning Organization (MPO) for the Benton Harbor-St. Joseph Urbanized Area; and

WHEREAS, the SWMPC has designated the Twin Cities Area Transportation Study (TwinCATS) Policy committee responsible for the development of a Unified Planning Work Program (UWP) for the designated MPO planning area; and

WHEREAS, the Fiscal Year 2020 UWP has been developed pursuant to 23 U.S.C. 134, as amended, and Section 8(f) of the Federal Transit Act; now therefore

BE IT RESOLVED, that the Twin Cities Area transportation Study Policy Committee approves the Twin Cities Area Transportation Study Unified Planning Work Program for Fiscal Year 2020.

  
Dick Stauffer, Chair  
TwinCATS Policy Committee

5/28/19  
Date

## Appendix B: TwinCATS Committee Members

TwinCATS has two committees, the Technical Advisory Committee (TAC) and the Policy Committee. The purpose of the Technical Advisory Committee is to provide technical advice to the Policy Committee. The purpose of the Policy Committee is to provide policy level guidance, direction and necessary approvals to all aspects of the continuing, comprehensive and cooperative transportation planning process carried out by the lead planning organization responsible for coordinating the transportation planning process in the Benton Harbor-St. Joseph Urban Area as it relates to TwinCATS. Deliberations, findings and approvals of the Policy Committee shall be made after due consideration of the recommendations of the TwinCATS Technical Advisory Committee.

*\*Ex-officio means nonvoting member. \*\* Consultant \*\*\* Alternate*

### ***Policy Committee Members***

#### **Officers**

*Chair:* Richard Stauffer, Lincoln Charter Township

*Vice-Chair:* Stacey Stephens, Cornerstone Alliance

#### **Jurisdictions**

**City of Benton Harbor**, Darwin Watson, Chris

Cook\*\*\*

**Benton Charter Township**, Carolyn Fowler

**City of Bridgman**, Juan Ganum

**Village of Grand Beach**, Vacant

**Hagar Township**, Vacant

**Lake Charter Township**, Gloria Payne

**Lincoln Charter Township**, Richard Stauffer

**Village of Michiana**, Vacant

**Royalton Township**, Steve Tilly

**Village of Shoreham**, Robert Lawrence

**City of St. Joseph**, John Hodgson

**Sodus Township**, David Chandler

**St. Joseph Charter Township**, Denise Cook, Roger

Seely\*\*\*

**Village of Stevensville**, Chris Cook

#### **Counties**

**Berrien County Board of Commissioners**, Bill

Chickering

**Berrien County Planning Commission**, Eric Lester

#### **Public Transit**

**Twin Cities Area Transportation Authority**, TJ Taylor

Bill Purvis\*\*\*

#### **Agencies**

**Cornerstone Alliance**, Sue Wyman

**MDOT Coloma TSC**, Jonathon Smith

**MDOT Southwest Region**, Amy Lipset Brian Sanada\*\*\*

**MDOT Statewide Planning**, James Sturdevant, Anita

Boughner\*\*\*

**Southwest Michigan Regional Airport**, Vince

DesJardins

**FHWA**, Andrea Dewey \*

**FTA**, Angelica Salagado \*

**Northwestern Indiana Regional Planning**

**Commission**, Scott Weber \*

**SWMPC**, John Egelhaaf \*

## ***Technical Advisory Committee Members***

### **Officers**

**Chair:** Kevin Stack, Berrien County Road Department

**Vice-Chair:** Tim Zebell, City of St. Joseph

### **Municipalities**

**City of Benton Harbor,** Chris Cook\*\*

**Benton Charter Township,** Kelli Smith

**City of Bridgman,** Juan Ganum

**Village of Grand Beach,** *Vacant*

**Hagar Township,** Deb Kavanagh

**Lake Charter Township,** Gloria Payne

**Lincoln Township,** Terrie Smith, Dick Stauffer\*\*\*

**Village of Michiana,** *Vacant*

**Royalton Township,** Steve Tilly

**Village of Shoreham,** Robert Lawrence

**Sodus Township,** David Chandler

**City of St. Joseph:** Tim Zebell

**St. Joseph Charter Township,** Roger Seeley, Denise Cook\*\*\*

**Village of Stevensville,** Chris Cook

### **Counties**

**Berrien Co. Community Dev. Dept.** Evan Smith

### **Public Transit**

**Twin Cities Area Transportation Authority,** TJ Taylor  
Bill Purvis\*\*\*

### **Agencies**

**Cornerstone Alliance,** Sue Wyman

**MDOT Coloma TSC,** Jonathon Smith

**MDOT Southwest Region,** Amy Lipset Brian Sanada\*\*\*

**MDOT Statewide Planning,** James Sturdevant, Anita Boughner\*\*\*

**Southwest Michigan Regional Airport,** Vince DesJardins

**FHWA,** Andrea Dewey \*

**FTA,** Angelica Salagado\*

**Northwestern Indiana Regional Planning Commission,** *Scott Weber* \*

**SWMPC,** John Egelhaaf \*

## Appendix C: TwinCATS MPO Staff

Southwest Michigan Planning Commission  
376 W Main St Suite 130  
Benton Harbor, MI 49022  
(269) 925-1137  
[www.swmpc.org](http://www.swmpc.org)

K. John Egelhaaf  
Executive Director  
[egelhaafj@swmpc.org](mailto:egelhaafj@swmpc.org)  
(269) 925- 1137 x 1512

Kimberly Gallagher  
Senior Planner  
[gallagherk@swmpc.org](mailto:gallagherk@swmpc.org)  
(269) 925-1137 x 1518

Brandon Kovnat  
Associate Planner  
[kovnatb@swmpc.org](mailto:kovnatb@swmpc.org)  
(269) 925-1137 x 1524

## Appendix D: Public Notice

AFFP  
TWINCATS-ANNUAL WORK

### Affidavit of Publication

STATE OF MICHIGAN } SS  
COUNTY OF BERRIEN }

Angelique Petersen, being duly sworn, says:

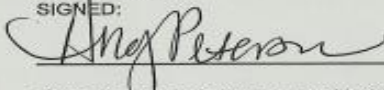
That she is Legal Clerk of the Herald Palladium, a Daily newspaper of general circulation, printed and published in St Joseph, Berrien County, Michigan; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

May 14, 2019

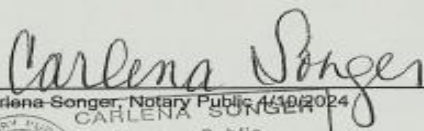

Publisher's Fee: \$ 220.80

That said newspaper was regularly issued and circulated on those dates.

SIGNED:



Subscribed to and sworn to me this 14th day of May 2019.

  
Carlene Songer, Notary Public 4410224  
CARLENA SONGER  
Notary Public  
La Porte County, State of Indiana  
Commission Expires April 10, 2024  


60002289 61039459 269-925-0288

Patrice Rose  
SW MICH PLANNING COMMISSION(HP)  
376 WEST MAIN STEET  
SUITE 130  
BENTON HARBOR, MI 49022

#### TWINCATS TO VOTE ON ANNUAL WORK PROGRAM

The Twin Cities Area Transportation Study (TwinCATS) facilitates transportation planning for the Benton Harbor-St. Joseph urbanized area. TWINCATS has released a draft of its Unified Planning Work Program (UWP) for fiscal year 2020, which begins October 1, 2019. The UWP is the annual work program for TWINCATS staff, which describes all of the planning tasks funded by the US Department of Transportation, Michigan Department of Transportation, and local jurisdictions. The draft of the 2020 UWP is available at : [https://www.swmpc.org/tcats\\_uwp.asp](https://www.swmpc.org/tcats_uwp.asp) The UWP will be voted on at the upcoming TwinCATS Meeting on: Monday May 20, 9:30 AM at Kinexus, Lighthouse Room 499 W. Main St., Benton Harbor MI 49022. The public is invited to attend this meeting to ask questions or provide comments. Comments can also be sent to Brandon Kovnat, associate transportation planner, at [kovnastb@swmpc.org](mailto:kovnastb@swmpc.org) or by calling (269) 925-1137 x1524.

The public participation process described above is used to satisfy the public participation process for the Program of Projects (POP), as prescribed in accordance with Chapter 53 of Title 49, United State Code (FTA requirement's), and metropolitan and statewide planning regulations under the FAST act for the following public transit agencies: Twin Cities Area Transportation Authority.



## **Appendix E: Public Comments received**

No comments were received.



## **Appendix F: Cost Allocation Plan and Indirect Cost Rate**

### **Southwest Michigan Planning Commission Background**

#### The Origin of the Southwest Michigan Planning Commission

The Southwest Michigan Planning Commission (SWMPC) is one of fourteen Planning and Development Regions in the State of Michigan and one of approximately five hundred in the United States. In Michigan, regions were created under a Governor's Executive Order in 1968.

The SWMPC was officially organized in 1973 by resolutions of the Berrien, Cass, and Van Buren County Boards of Commissioners. The Commission was staffed in 1974.

The Southwest Michigan Planning Commission (SWMPC) Board reflects representation across county, city, village, and township officials, in addition to citizen members who represent a variety of interests, including business, seniors, and minorities. Van Buren, Berrien, and Cass counties are currently represented in all eligible capacities. Of the forty-two current appointments, eleven of the members are female and six of the members are from a minority group.

#### SWMPC Planning Overview

In addition to serving public and private entities within Berrien, Cass, and Van Buren Counties by providing planning, technical, or management assistance, the SWMPC acts as an intergovernmental forum to address regional issues. The SWMPC addresses issues and administers programs, which its membership deems appropriate and which are in keeping with locally established area-wide planning and development goals. The SWMPC engages in outreach to build support for wise planning and awareness of vital regional development issues. A diversely skilled SWMPC staff provides a range of support to jurisdictions throughout the three-county region. These efforts regularly lead to program initiatives that address local needs. The needs that the SWMPC regularly responds to include customized planning and information services to local governments and organizations including comprehensive and land use planning, research and analysis, GIS mapping, surveys, recreation planning, grant writing, and grant administration.

The SWMPC is an Economic Development District of the EDA to: 1) give technical assistance and support others in planning and implementing economic development projects that diversify and strengthen the district's economy; 2) maintain economic and demographic databases and respond to requests from public and private users; and 3) support a local economic development process capable of meeting the planning, coordination and implementation requirements of the district.

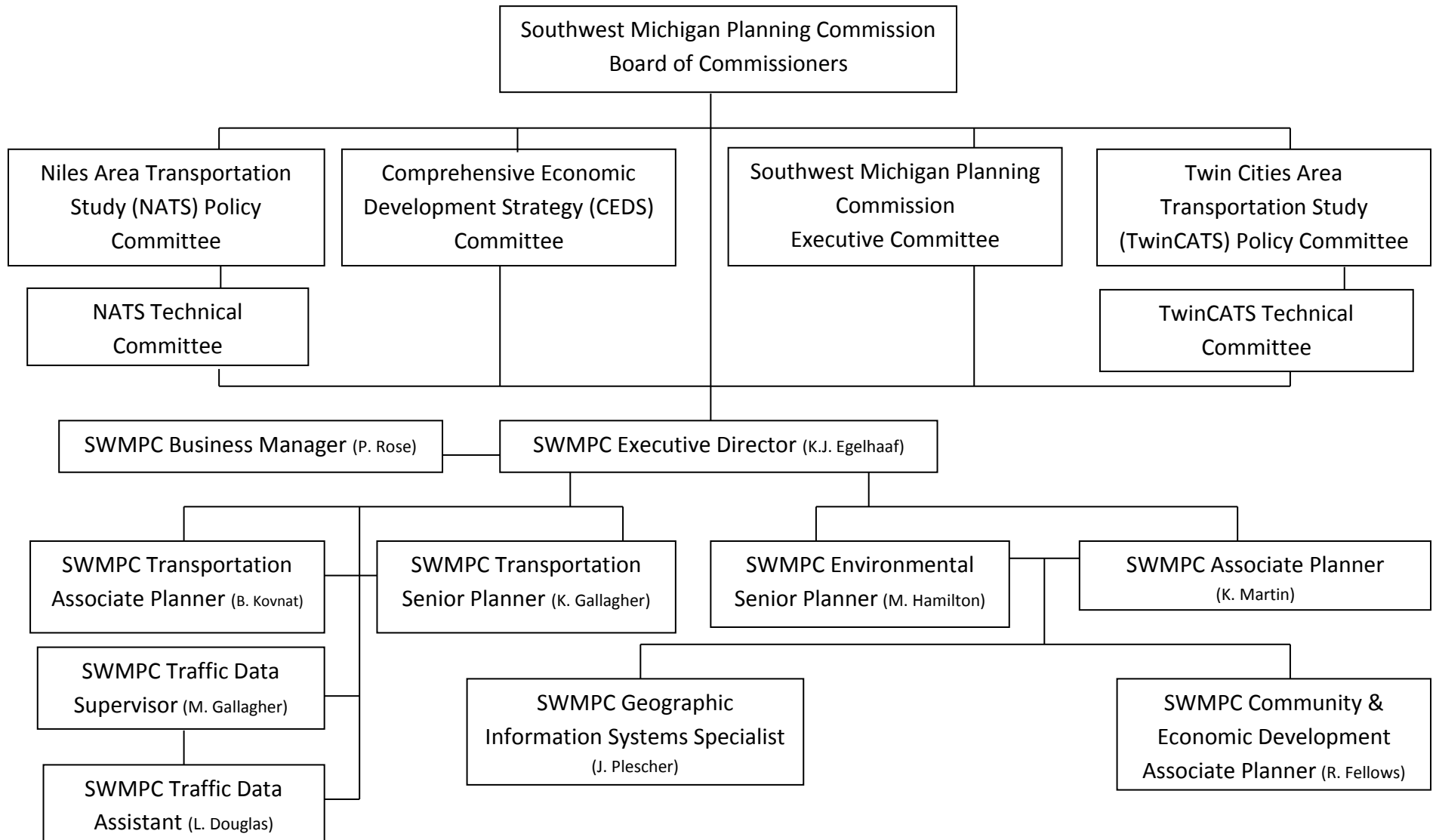
Federal legislation requires a continuing, comprehensive, and cooperative process for transportation planning in all urbanized areas. To respond to that requirement, the SWMPC's responsibility is to develop and refine plans and policies by analyzing their social, economic, environmental, health, safety, welfare, and mobility impacts. The State has designated the SWMPC as the Metropolitan Planning Organization (MPO) for the two urban areas in our region; the Niles/Buchanan/Cass Area Transportation Study (NATS) for the Niles/Buchanan/Cass area, and the Twin Cities Area Transportation Study (TwinCATS) in the St. Joseph/Benton Harbor area.

The MPO planning process is a cooperative effort between the Michigan Department of Transportation, the Federal Highway Administration, the Federal Transit Administration, and the member local governments (for NATS: the Berrien County cities of Niles and Buchanan, the village of Edwardsburg, the townships of Niles, Buchanan, and Bertrand, and the Cass County townships of Howard, Ontwa, and Milton; for TwinCATS: the Berrien County cities of Bridgman, Benton Harbor and Saint Joseph, the villages of Grand Beach, Michiana, Shoreham and Stevensville, and the townships of Benton Charter, Lake, Lincoln Charter, Royalton, St. Joseph Charter, and Sodus).

The SWMPC is also a resource for transportation planning assistance to the rural areas outside the metropolitan districts. Through these services the SWMPC provides assistance through road data, public transportation resources, Congestion Mitigation and Air Quality (CMAQ) assistance, heritage route management, ridesharing connections, and other customized needs.

# Organizational Structure

*As of June 2018*



## Job Descriptions

**Executive Director:** Under the direction of the SWMPC Board, implements and administers the policies and procedures established by the SWMPC in accordance with the state and federal legislative requirements. Responsible for management, administration, and professional work in the development, coordination, and execution of programs and projects, as well as supervision of personnel and administration of finances for various federal, state, and local programs. Management, administration, and professional work is often assigned as direct expenses to specific programs.

**Senior Planner:** Performs administrative and professional work in the development, implementation, and coordination of SWMPC's local and regional planning programs. Duties involve administration, development and implementation of work program objectives, development and monitoring of budgets, and supervision of persons assigned. Work is performed under the general direction of the Executive Director.

**Associate Planner:** Under the supervision of the Executive Director, and Senior Planner, will develop plans and facilitate decision making in planning program areas or projects. Duties include the coordination of programs through communications, data gathering, computer analysis, report preparation, and organization and follow-up of meetings.

**Planning Aide:** Under the supervision of the Executive Director, Senior Planner, Associate Planner, will assist in the development of plans and facilitation of decision making in planning program areas or projects. Duties include assisting in projects through communications, data gathering and portrayal, computer input and analysis, report preparation, and organization and follow-up of meetings.

**Business Manager:** Under the direction of the Executive Director, administers and manages all aspects of SWMPC business and financial matters. Duties include operation and maintenance of the agency's computerized accounting system, receivables and payables, budget monitoring, financial reporting, benefits administration, and supervision of persons assigned.

## **Definition of Terms**

### Terms

**Acceptable Costs:** Costs that are necessary and reasonable for the proper and efficient performance and administration of SWMPC projects. They are ordinary and necessary as a cost for the typical operation of the project. The prices paid are considered to be at market prices for comparable goods. Costs are the result of prudent actions by SWMPC staff.

Base: The accumulated direct costs (i.e. direct salaries, wages, or total direct costs exclusive of extraordinary or distorting expenditures) used to distribute indirect costs to SWMPC programs. The base should result in each SWMPC program with its fair share of indirect costs.

Direct Costs: Include costs that: 1) can be identified specifically with a particular final cost objective and attributed to a project, 2) include compensation to employees for time devoted specifically to project performance, 3) include materials acquired, consumed, or expended for the purposes of the project, 4) equipment and other approved capital expenditures, 5) travel expenses to carry out a project.

Fixed Rate: An indirect cost rate that is based on an estimate of costs during a future period where the difference between the estimated costs and the actual costs for the period is carried forward as an adjustment to the rate of that subsequent period.

Indirect Costs: include costs that are for a common or joint purpose for more than one project and are not easily assignable to projects specifically benefited.

Indirect Cost Rate: a method to determine the proportion of indirect costs each program should bear. A ratio of indirect to direct cost base.

#### Cost Categories

Advertising: Costs from advertising are assigned as direct costs if they are required to post meeting times, announce specific work products, or to solicit responses to a job posting for a specific program. Advertisements that serve the SWMPC in a general way are assigned as indirect costs

Computer Services: Computer services are currently supplied by an outside supplier. Services are assigned as direct if the particular piece of computer equipment or software is associated with a single program. If the service is on a machine or software that is for general use, it is assigned as an indirect expense.

Conferences/Training: Costs relative to staff training, skills improvement, and technical proficiency often include meetings, seminars, conferences, and workshops. Expenses are charged to this category as they relate to specific job responsibilities. These costs are generally direct expenses but can be assigned as indirect occasionally.

Contents, Liability Insurance: Coverage for the loss or damage of agency assets, general agency liability, and employee and commissioner bonding.

Contractual Services: Costs in the contractual services category are incurred for consultant services by outside agencies and individuals. Temporary project staff including internships are also placed in this category of expense and considered direct if they are specifically assigned to a single project. All costs under this category are considered direct expenses except for a temporary administrative staff or other general expertise.

Commission Audit: Costs associated with the annual Commission audit will be assigned as a direct cost charged to local revenues and are exempt from indirect cost. No audit costs are charged to federal funds.

Depreciation: Equipment that is purchased through general funds are considered fixed assets and are depreciated at approximately 20% annually based on Internal Revenue Service Rulings.

Direct Equipment: equipment that has a unique use for the completion of work activities within the scope of work for a specific project. This is equipment that is not generally used across all programs in an office but rather, is specific to the accomplishment of tasks within a single project. Items defined in this way include: a notebook computer to be used for Asset Management PASER road ratings, traffic counters for traffic data collection, a new desktop computer for a transportation planner (who works exclusively on a single transportation project (with a single funder)).

Dues, Subscriptions, and Publications: Most items in this category are indirect expenses. Planning resources and memberships tend to be general in nature and not assignable to a particular program. Some items within this category are assignable as direct but they are specific in nature to the program for which they are attributable.

Fringe Benefits (payroll taxes, employee related insurance, pension): Fringe benefits are assigned as either direct or indirect in the same proportion as the assignment of salary and wage.

**Postage:** Similar to telephone charges, postage is coded at the SWMPC postage meter. Thus, direct expenses are classified at the initiation of the charge and a summary of those expenses is created through a cyclical report.

**Printing:** Printing expenses include both direct and indirect costs. Major print jobs that can be produced with the SWMPC printer/copier and are part of a specific program activity are assigned as direct expenses. Major jobs that require an outside printshop to complete are also assigned as direct if they are associated with a specific program. Common indirect print expenses include the SWMPC newsletter, annual report, brochures, etc.

**Salaries and Wages:** Salaries and wages for employees with direct responsibilities in specific program areas are assigned as direct expenses. When employee activities are dedicated to activities that have a broad-based benefit among SWMPC programs, their salary, and wage is assigned as indirect. All SWMPC personnel engage in activities that are assigned as direct expenses. It is rare for administrative personnel (business manager, administrative assistant) to engage in activities that are assigned as direct but they are available for occasional direct assignments. Staffing assignments are managed by the executive director.

**Supplies and Materials:** Items that are necessary for a particular project are assigned as a direct expense. SWMPC letterhead, copy paper, and general office supplies are assigned as indirect expenses.

**Telephone:** The SWMPC pays a single flat charge for monthly calls. The monthly bill itemizes all long distance calls. The bill is cross referenced with staff call logs so that calls can be assigned directly to projects. Local phone charges cannot be individually itemized so they are billed as indirect.

**Travel, Meals, Lodging:** Travel, meals, and lodging expenses can be assigned as either direct or indirect depending on the activity being undertaken when the costs are incurred. Typical charges consist of mileage, reimbursement for meals, and lodging expenses in the course of staff activity.

**Equipment Maintenance:** Maintenance agreements on heavily used office machines including the main copier/printer, computer equipment are assigned as indirect expenses.

**Rent, Janitorial, and Recycling:** The expenses associated with the leased office space and the maintenance of that space.

## **Listing of Fringe Benefits for Covered Employees**

### Current Fringe Benefit Policies

The SWMPC fringe benefit policy consists of the following items derived from the Commission's Personnel Policies and Procedures Handbook available to all employees at the time of hire.

**Social Security and Medicare Withholding Benefits:** The SWMPC adheres to Federal tax rulings and remits matching withholding benefits each pay period in each calendar year.

**Annual Leave and Sick Leave are combined as Follows:** In the first category of leave accrual, an employee who has been with the SWMPC for between zero and five completed years must work a minimum of sixty-two hours to a maximum of seventy-five hours per (bi-weekly) pay period. That employee will be considered a full-time employee and will accrue five and a half hours per pay period for annual and sick leave.

In the second category of leave accrual, an employee at the end of their fifth year until their tenth year of employment will receive seven hours per pay period for annual and sick leave.

The third category of leave accrual is for employees at the end of their tenth year and beyond. Employees in the third category receive eight and a half hours per pay period for annual and sick leave.

The SWMPC does not distinguish between annual leave and sick leave. The two categories are considered a single account of accrued time. All employees may carry forward into the next year a maximum of one year's annual leave accrual. All excess time that is not taken will be forfeited except for employees with more than five years of experience. When employees have five or more years' experience, the SWMPC will make an employee contribution to their retirement plan account in an amount equal to 37.5 hours of excess time not taken at their respective rate of pay.

**Paid Holidays:** The SWMPC provides twelve paid holidays per calendar year for its employees.

**Pregnancy Leave:** SWMPC employees receive pregnancy leave up to 975 hours.

**Administrative Leave:** An administrative leave of absence cannot exceed six months. Accumulated annual leave must be used as part of the administrative leave. After depletion of the accumulated annual leave, there is not compensation for administrative leave.



**Military Leave:** Military leave is granted as a leave of absence per State and Federal rulings.

**Health Insurance:** The SWMPC provides health insurance coverage to all employees. Employees are eligible to apply for health insurance benefits for themselves as well as dependents as of their initial date of employment. The SWMPC pays 98 percent of the total cost of the premium for full-time employees who seek the coverage. Part-time SWMPC employees are eligible for health insurance but must pay a percentage of the premium based on what percentage of a full-time position their time represents plus the standard two percent cost share. The health insurance program provides both medical, hospital, and prescription coverage plus vision and dental insurance. The coverage is a “high deductible” type with a Health Savings Account (HSA). The deductible for the insurance is deposited into each employee’s HSA account by the SWMPC. The entire amount is funded by the SWMPC.

**Disability Insurance:** The SWMPC provides short-term disability coverage to all employees. Employees shall be eligible at their date of employment. The SWMPC pays the total cost of the premium for full-time employees who seek this coverage.

**Workman’s Compensation Insurance:** The SWMPC provides workman’s compensation insurance for all employees. Employees are eligible at their date of hire. In case of a work injury or illness an employee is eligible for workman’s compensation benefits. The employee must use accumulated annual leave to the extent available for the first seven days of the disability after which time the workman’s compensation insurance coverage shall begin without annual leave supplementation.

**Life Insurance:** The SWMPC provides life insurance coverage for all employees. Employees shall be eligible at their date of hire. The Commission pays the total cost of the premium for full-time employees who seek this coverage. The face amount of the policy shall be equal to the amount of the employee’s annual salary and double in the event of accidental death as described in the health insurance policy provided by the carrier.

**Unemployment Compensation Insurance:** The SWMPC provides each employee with this State benefit. The cost is calculated using the State determination rate multiplied by the gross wage earned by each employee. The SWMPC pays the total cost and adheres to the State tax rulings of calculation and remuneration.

**Pension Fund:** Currently the SWMPC has 401 and 457 pension plans available to all employees who work at least one thousand hours per year. New employees are enrolled on the annual enrollment date of January 1<sup>st</sup> provided that they have completed six months of full-time

employment. The SWMPC contributes into the plan on behalf of each enrolled employee in the amount of 6.5% of the employee's annual salary or wage. Employee contributions are not mandatory. Employees enrolled shall be vested at the rate of twenty percent for each full year of vesting. The SWMPC calculates the contribution amount at both fiscal and calendar year end to reflect the accrual on financial statements. All accruals are reviewed by the pension advisors before any remittances are made. The SWMPC meets all tax rulings regarding dates of contribution, dollars contributed, and necessary tax forms.

#### Fringe Benefit Costs

The SWMPC total benefit costs have been included as a worksheet below.

# SWMPC Personnel Expenses Budget 2018

POSITION	BUDGETED SALARY	WORK DAYS	DAILY RATE	ANNUAL LEAVE	HOLIDAY	RELEASED TIME	CHGBLE SALARY	GROUP INSURANCE COVS				WORKERS			PENSION CONTRIB	ADDED COST	TOTAL BENEFITS	TOTAL PERSONNEL
								FICA	HEALTH	Hlth Svgs Act	DISAB	LIFE	COMP	UCI				
<b>ADMINISTRATION</b>																		
EXECUTIVE DIRECTOR (JE)	\$78,388	260	301	6,010	3,618	9,628	68,760	5,997	23,868	4,600	842	119	259	8	5,095	42,094	51,721	120,482
ADM ASS'T	\$0	260	0	0	0	0	0	0	0	0	0	0	0	8	0	8	8	8
ADM ASS'T	\$0	260	0	0	0	0	0	0	0	0	0	0	0	8	0	8	8	8
BUSINESS MGR. (PR)	\$41,052	243	169	4,490	2,220	6,710	34,342	3,140	23,365	4,600	500	90	135	8	2,668	35,026	41,737	76,078
<b>PLANNERS</b>																		
SENIOR PLANNER(MH)	\$63,037	260	242	5,883	2,909	8,793	54,244	4,822	8,884	4,600	802	119	208	8	4,097	24,346	33,139	87,383
ASSOCIATE PLANNER	\$0	260	0	0														
SENIOR PLANNER (KG)	\$55,305	260	213	5,162	2,553	7,714	47,591	4,231	21,552	4,600	736	119	183	8	3,595	36,377	44,091	91,682
ASSOCIATE PLANNER (RF)	\$43,186	260	166	3,167	1,993	5,160	38,026	3,304	10,215	4,600	518	93	143	8	2,807	22,468	27,629	65,654
ASSOCIATE PLANNER (BK)	\$42,435	260	163	3,112	1,959	5,070	37,365	3,246	15,282	4,600	558	100	140	8	2,758	28,176	33,246	70,611
<b>STAFF</b>																		
PLANNING AIDE (JP)	\$47,540	260	183	3,486	2,194	5,680	41,860	3,637	10,468	2,300	617	112	157	8	3,090	20,713	26,393	68,253
TRAFFIC COUNTSPLIST (MG) Hrly	3,534	120	99	0	0	0	3,534	270	0		0	0	12		0	282	282	3,816
TRAFFIC COUNTER (LD) Hrly	5,855	60	96	0	0	0	5,855	448	0		0	0	19		0	467	467	6,322
ASSOCIATE PLANNER (KM)	\$42,467	260	163	3,114	1,960	5,074	37,393	3,249	8,876	4,600	531	95	140	8	2,760	20,661	25,735	63,128
INTERN (RG) Hrly	3,744	46	59	0	0	0	3,744	286	0		0	0	12	0	0	299	299	4,043
<b>TOTAL</b>	<b>426,543</b>	<b>260</b>	<b>1,855</b>	<b>34,424</b>	<b>19,406</b>	<b>53,831</b>	<b>372,712</b>	<b>32,631</b>	<b>122,509</b>	<b>34,500</b>	<b>5,104</b>	<b>847</b>	<b>1,408</b>	<b>81</b>	<b>26,872</b>	<b>234,393</b>	<b>288,224</b>	<b>657,468</b>

## The SWMPC Accounting System

The SWMPC uses QuickBooks to manage its accounting system. The SWMPC is audited by a CPA annually.

### Method of Calculating Indirect Cost Rate

The SWMPC uses the simplified method to determine indirect cost rate. As a single purpose agency, there are no elements of indirect cost assigned through a central cost allocation plan. Only specifically identified budgeted indirect costs are included in the indirect cost rate proposal. This method provides an equal distribution of all indirect costs to all programs.

The SWMPC classifies all costs and their activities as direct or indirect (less unallowable costs) as described per 2 CFR 225. Indirect costs are thereby classified as being incurred for a common purpose for which more than one program benefits. Any costs stipulated as being unallowable per 2 CFR 225 have been excluded from the calculation of the indirect cost rate.

#### Calculation for Fixed Indirect Cost Rate

The SWMPC computes the indirect cost rate by dividing the Indirect Cost Pool (total allowable indirect costs) by an equitable Base (total direct salaries and fringe benefit costs). The result is a "Fixed Indirect Cost Rate."

C = Indirect Costs

U = Unallowable Costs (per 2 CFR 225)

I = Total (budgeted) Indirect Costs

$$C - U = I$$

I = Total (budgeted) Indirect Costs

Y = Direct Base projected (budgeted) costs for direct salaries & fringe benefits for **all** programs

Fcr = Fixed Indirect Cost Rate

$$Fcr = I/Y$$

SWMPC Actual  
Indirect Cost Rate  
Based on FY 2017  
Costs

	<u>DIRECT COSTS</u>	<u>INDIRECT COSTS</u>	<u>TOTAL COSTS</u>
SALARIES AND WAGES	\$ 291,210.00 (Y)	\$115,684	\$393,385
FRINGE BENEFITS	\$ 126,101.00 (Y)	\$75,423	\$176,008
TRAVEL	\$ 22,381.00	\$298	\$25,551
TELEPHONE	\$ 0.00	\$3,138	\$2,406
PRINTING AND POSTAGE	\$ 923.00	\$691	\$10,316
ADVERTISING	\$ 3,920.00	\$0	\$3,854
DUES AND SUBSCRIPTIONS	\$ 1,439.00	\$578	\$1,258
SUPPLIES AND MATERIALS	\$ 5,875.00	\$6,112	\$25,898
COMPUTER SERVICES	\$ 5,236.00	\$28,562	\$24,135
CONFERENCES/TRAINING	\$ 4,655.00	\$4,524	\$4,793
CONTRACTUAL SERVICES-OFF SITE	\$417,129.00	\$9,347	\$258,810
CONTRACTUAL PERSONNEL-ON SITE	\$ 38,760.00 (Y)	\$0	\$40,245
RENT/JANITORIAL/RECYCLING	\$ -	\$67,896	\$67,320
GENERAL COMMISSION	\$ 12.00	\$0	\$67,320
INDIRECT COST POOL	\$306,404.00	\$0	\$67,320
DEPRECIATION	\$ -	\$5,812	\$6,447
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,224,045</b>	<b>\$318,065</b>	<b>\$1,542,110</b>
Total Direct Base (Y)	\$ 417,311		
Total Indirect Costs (I)		\$318,065	

**INDIRECT COST RATE FORMULA:**

TOTAL INDIRECT COSTS (I)                      \$318,065

TOTAL DIRECT BASE (Y)                              \$417,311

**INDIRECT COST RATE  
PERCENTAGE**

<b>75%</b>
------------

## Procedures Used to Allocate Cost of Benefits to SWMPC Projects

### Calculation to Derive the Percentage of Total Base Represented by Each Program

Direct costs that can be attributable to a particular program are allocated as such. The remaining costs are assigned as indirect costs and allocated according to the formula below.

X = Actual costs for direct salaries & fringe benefits for **each** program

Y = Actual Direct Base costs for direct salaries & fringe benefits for **all** programs

P = Percentage of total direct salaries & fringe represented in each program

$$X/Y = P$$

### Calculation to Derive Total Indirect Costs

The percentage of direct salaries/fringe that each program represents of the total direct salaries/fringe for all programs is then used to derive the formula to allocate the total related indirect costs.

Y = Actual Direct Base costs for direct salaries & fringe benefits for **all** programs

Z = Total Expenses for all programs

I = Total Indirect Costs

$$Z - Y = I$$

### Combined Calculation Used to Allocate Indirect Costs

Program	Actual Direct Salaries & Fringe	Percentage of Total Direct Salaries & Fringe	Indirect Allocation
a	Xa	Xa/Y	Pa*I
b	Xb	Xb/Y	Pb*I
c	Xc	Xc/Y	Pc*I
d	Xd	Xd/Y	Pd*I
e	Xe	Xe/Y	Pe*I
Total of All Programs	Y	100%	I

## CERTIFICATE OF INDIRECT COSTS

This is to certify that I have reviewed the indirect cost rate proposal submitted herewith and to the best of my knowledge and belief:

- 1) All costs included in this 2018 proposal to establish billing or final indirect cost rates for FY 2016 are allowable in accordance with the requirements of the Federal award to which they apply and per 2 CFR 225, "Cost Principles for State, Local, and Indian Tribal Governments." Unallowable costs have been adjusted for in allocating costs as indicated in the cost allocation plan.
- 2) All costs included in this proposal are properly allocable to Federal awards on the basis of a beneficial or causal relationship between the expenses incurred and the agreements to which they are allocated in accordance with applicable requirements. Further, the same costs that have been treated as indirect costs have not been claimed as direct costs. Similar types of costs have been accounted for consistently and the Federal Government will be notified of any accounting changes that would affect the predetermined rate.

I declare that the foregoing is true and correct.

Governmental Unit: Southwest Michigan Planning Commission

Signature:



Name of Official: K. John Egelhaaf

Title: Executive Director

Date of Execution: October 9, 2018

## Appendix G: Work Completed Since FY 2019 UWP Approval

### 1. Program Administration

#### 1.1. Program Management and Support

- Prepared for, facilitated and generated agendas, minutes, emails, and handouts for monthly TwinCATS TAC and Policy Committee Meetings:
- Updated webpages for the following programs:
  - TwinCATS committee meetings
  - Transportation Improvement Program
  - Long Range Plan
  - CMAQ & Air Quality
  - SWMPC Facebook page
- Wrote quarterly progress reports and other documentation Detailing work completed.
- Monthly tracking the spending of the TwinCATS budget and reporting expenditures to MDOT, as well as other tasks related to the fiscal management of the MPO.
- Weekly MPO Debriefing Meetings with SWMPC Staff.

#### 1.2. Interagency Collaboration

- Distributed information about partner agencies' workshops and events
- Hosted Benton Harbor St. Joseph Harbor Charrette.
- Attended the following meetings monthly: Michigan Transportation Planning Association meetings, Michigan's Great Southwest Strategic Leadership Council, Be Healthy Berrien, RPI, The Twin Cities Harbor Conservancy, Quad State Directors, US 12 Marquette Greenway meeting, Southwest Region Non-Motorized Facilities, Westrain, and the Association of Metropolitan Planning Organization GIS Group
- Participated in a conference call for the Michigan Transportation Conformity Inter Agency working Group (MITC-IAWG) for Berrien County on December 17, 2019
- Westrian received resolutions of Support for the Pere Marquette Rail line from the TwinCATS Policy Committee.
- Participant Statistical Areas Program (PSAP): working with U.S. census to review and update Census defined areas for the 2020 census.

#### 1.3. Professional Development and Technical Training

- Staff studied basics of analyzing effects of traffic safety countermeasures.
- Attended JobNet training related to the switch between the 2017-2020 and the 2020-2023 Transportation Improvement Program.
- Attended PASER training.
- Attended Michigan Association of Planning's Transportation Bonanza.
- Attended Midwest Storm Water Solutions Conference

#### 1.4. Unified Work Program



- Attended the Pre UWP Meeting on March.
- Communication with MDOT regarding reduction in funding for both MPO areas.

### **1.5. Air Quality Conformity**

- Participated in a conference call for the Michigan Transportation Conformity Inter Agency working Group (MITC-IAWG) for Berrien County & Cass County TIP on March 27, 2019, to review the 2020-2023 TwinCATS
- Submitted Amendments to be reviewed by the IAWG
- Reviewed the Draft Berrien County Air Quality Conformity Document
- Sent emails for three IAWG email meetings review of TIP amendments.
- Reviewed the New Berrien County Air Quality Conformity Document that included the modeling of the US-31 extension
- Received TwinCATS Policy Committee & SWMPC board approval of the Air Quality Document

## **2. Data Collection, Analysis, and Reporting**

### **2.1. Data Mapping, Analysis, and Reporting**

- Sent letter to local agencies informing them about our traffic count program
- Created several maps for the Long Range Plan, which mapped the following data: nonnotarized infrastructure, special needs & elderly housing, Pedestrian & Bicycle crashes, and transit service.

### **2.2. Asset Management**

- Uploaded 2018 PASER data to TAMC
- Create Pavement Condition reports for:
  - The TwinCATS Area
  - Berrien County

### **2.5 Training and Collaboration**

- AMPO GIS Webinar Training: Process for developing active transportation data by DRCOG, the survey, data quality, surveys, tool development, new schema, results
- Transitioning from ArcMap to ArcPRO (webinar tutorials)
- Survey 123: App for phone or internet to collect data in the field (Webinar Tutorials)
- Meeting with ESRI for assistance and educational resources to transition to web-based mapping products
- Research: UDAH - N-PHAM MODEL FOR TRANSPORTATION (new paper), EPA SMART Database and ENVIRONATLAS

## **3. Transportation Planning**

### **3.1. Planning technical Support to MPO Members**

- Non-motorized planning
  - Updated available data for 7 counties: Berrien, Branch, Cass, Calhoun, Kalamazoo, St Joseph, and Van Buren: Presence of wide shoulders, Non-motorized trails, Parks and other recreational areas, Proposed non-motorized trails,
  - Prepared and printed large maps for each county and cities, which were presented to officials in each county to verify existing data and add any new data.
  - In the process of updating the data for each county based on feedback

- Managed the Berrien County CMAQ Program
  - Sent out the CMAQ 2021-2023 call for projects: Created Applications, instructions, reminder emails.
  - Reviewed submitted CMAQ projects and updated emissions forms as necessary
  - Assisted TCATA in federal State of Good Repair Performance measures.
  - Held Berrien County CMAQ meeting on January 16, 2019 where projects for 2021-2023 were chosen.
  - Programmed all CMAQ projects into JobNet.
  - Assisted local agencies with questions related to their CMAQ projects
  - Assisted TCATA in transition of prior director to new management. TIP project reviews, financials, and NSF grant commitments.

### **3.2. Public and Stakeholder Outreach**

- Created legal notices for the Long Range Plan and 2020-2023 TIP
- Wrote a press release about the 2020-2023 TIP Call for Projects
- Placed notice of MPO meetings on SWMPC website.
- Recorded public comments relating to the TwinCATS Long Range Plan and 2020-2023 project selection
- Prepared presentation and hosted TwinCATS 2045 Long Range Plan Open House

### **3.3. Special Plans and Studies**

- Hosted four public workshops for Connect Berrien Countywide Public Transit study.
- Hosted final plan workshop for Napier Corridor Study.

### **3.4. Human Services Transportation Coordination**

- Continue to update of MyWayThere website – ADA accessible, mobile friendly and updated information.

### **3.5. Long Range Transportation Planning**

- Wrote financial section of the 2045 LRP, which included documentation of fiscal constraint.
- Finalized the 2045 LRP project list which then went through Air Quality Analysis
- Sent out requests for comments through the consultation process
- Wrote the travel demand modeling chapter including the mapping and analysis of the potential effect of extending US-31.
- Received TwinCATS and SWMPC board approval for: *Principles in Motion, the TwinCATS 2045 Long Range Transportation Plan.*
- Made edits to the Long Range Plan to include US-31 extension
- Made an amendment to the Long Range Plan to reflect the funding for US-31 in 2020
- MPO adopted 2019 Safety performance targets

## **4. Transportation Improvement Program**

### **4.1. Transportation Program Development**

- Updated the Project Prioritization Methodology and applications for the 2020-2023 TIP.
- Wrote and distributed TwinCATS 2020-2023 call for projects application instructions
- Created 2020-2023 project application based on approved prioritization methodology.

- Scored 22 road project applications
- Uploaded application data to the TIP webpage including an interactive map showing the location of submitted projects with project details.
- Convened a project review/selection subcommittee meeting to select a fiscally constrained project list to recommend to the TwinCATS TAC
- Presented the project recommended by the Project Review/selection subcommittee to the full TwinCATS Tac and policies committees
- Had TwinCATS approve road, transit, and MDOT's 2020-203 Project list
- Programed all local projects for 2020-2023 into JobNet
- Reviewed the full 2020-2023 TwiNCATs TIP snapshot
- Complete the Air Quality review for the 2020-2023 TIP
- Amended the 2017-202 TIP document to include performance measure language for Pavement, Bridge, and Reliability

#### **4.2. TIP Amendments**

- Implemented a new TIP amendment process that includes Air Quality Review and reflects changes to JobNet
- Created the FY 2019 Amendment Schedule
- Processed a TIP amendment package for November 2018: sent reminder emails to all agencies with projects in FY 2019 requesting amendments, Sent amendment list to IAWG for air quality, programed project changes through JobNet, placed notice of amendment's on TwinCATS meeting webpage, received Committee approvals.
- Followed our new TIP amendment process for a TIP amendment package for January and March: sent reminder emails to all agencies with projects in FY 2019 requesting amendments, Sent amendment list to IAWG for air quality, programed project changes through JobNet, placed notice of amendment's on TwinCATS meeting webpage, received Committee approvals.
- Worked on the process for conducting the last 2020 amendments in preparation for the final approval of the 2020-2023 TIP.

#### **4.3. Obligation Status Monitoring and Reporting**

- Requested project updates for FY 2019 projects to ensure projects are on schedule for obligation.
- Published latest TIP to the TwinCATS TIP webpage.
- Identified additional funding from bid savings and an increase in the 2019 allocation; sent requests to local agencies with suggestions on how to use these funds; presented the option to the TwinCATS Committee for approval.