



NILES-BUCHANAN-CASS AREA TRANSPORTATION STUDY

COMBINED TECHNICAL ADVISORY and POLICY COMMITTEE MEETING

FOR FURTHER INFORMATION, CONTACT:

Brandon Kovnat, *Transportation Planner*

Kim Gallagher, *Transportation Planner*

(269) 925-1137 Ext: 1524 & 1518

DATE: April 24, 2018

TIME: 1:30 PM

PLACE: Niles District Library
620 E Main St, Niles, MI 49120

AGENDA Comments will be solicited on each item following discussion and prior to any final action.

1. **Call to Order / Introductions and Pledge of Allegiance**
2. **Changes to the Agenda**
3. **Public Comment**
4. **Approve Minutes from the March 27, 2018 Meeting (*Enclosed*) Action**
5. **Staff Report**
6. **Community Land Use and Zoning Member Updates**
7. **Public Transit**
 - Berrien Countywide Service Plan (*SWMPC Staff*)
 - Niles Dial a Ride (*Kelly Getman Dissette*)
 - Buchanan Dial a Ride (*Kim O'Haver*)
8. **Project Status Reports (*enclosed*)**
 - City of Niles
 - City of Buchanan
 - Cass County Road Commission
 - MDOT
9. **Old Business**
10. **New Business**
 - TIP Amendments for MDOT (*Enclosed*) Action
 - Reaffirmation of the 2040 long range plan (*Enclosed*) Action
 - Amendment to the 2017-2020 TIP document to include performance measures (*Enclosed*) Action
 - Approval of the MOU between, the MPO, transit providers, and MDOT (*Enclosed*) Action
 - Presentation on the base year travel demand model
11. **State and Federal Updates**
12. **Privilege of the Floor**
13. **Adjournment**
 - The next NATS meeting is scheduled for **Tuesday, May 22, 2018 @ 1:30 pm.**

NILES/BUCHANAN/CASS AREA TRANSPORTATION STUDY (NATS)
Joint Technical Advisory Committee (TAC) & Policy Committee (POL) MINUTES
March 27, 2018

Present		Committee	
Name	Representing	TAC	Policy
Andrea Dewey	Federal Highway Administration*	x	x
Barbara Cook	Cass County Planning Commission	x	
Bob Sutton	Mason Township	x	x
Brandon Kovnat	SWMPC	Staff	
Brian Berndt	Berrien County Road Commission	x	
Brian Sanada	MDOT Southwest Region	x	x
Butch Payton	Bertrand Township	x	x
Craig Bradfield	Howard Township	x	x
Dawn Bolock	Ontwa Township	x	x
Don Ryman	City of Buchanan	x	x
Evan Smith	Berrien County Community Development	x	
Jim Sturdevant	MDOT Bureau of Transportation Planning	x	x
Joe Bellina	Cass County Road Commission	x	
Joe Ray	City of Niles	x	
Jon Roberts	MDOT Urban Travel Analysis	x	
Kim Gallagher	SWMPC	Staff	
Kim O'Haver	Buchanan Dial A Ride	x	x
Michael Majerek	Berrien County Board of Commissioners		x
Robert Ziliak	Cass County Board of Commissioners		x
Roseann Marchetti	Cass County Board of Commissioners		x
Sandra Seanor	Cass County Road Commission		x
Susan Flowers	Milton Township	x	x

Absent		Committee	
Name	Representing	TAC	Policy
Eric Lester, M.D.	Berrien County Planning Commission		x
Georgia Boggs	City of Niles		x
Jan Personette	Four Flag Chamber of Commerce	x	x
Jonathon Smith	MDOT Coloma Business Office	x	x
Kelly Getman-Dissette	Niles Dial A Ride	x	x
Malinda Cole-Crocker	Buchanan Township	x	x
Rich Low	Village of Edwardsburg	x	x
Richard Cooper	Niles Charter Township	x	x
Serita Mason	City of Niles		x

1. Call to Order / Introductions and Pledge of Allegiance

Joe Bellina, Technical Advisory chair called the meeting to order at 1:30 PM. Don Ryman led the group in the pledge of allegiance.

2. Changes to the Agenda

Brandon Kovnat asked to remove CMAQ projects from new business. We were required to ensure all federally funded projects including CMAQ projects were added to the NATS TIP. Upon further review, he determined that every CMAQ project in the NATS planning area is already the TIP.

3. Public Comment

None.

4. Approve Minutes from the February 27, 2018 Meeting

Motion to approve the Minutes from the February 27, 2018 joint Technical Advisory Committee and Policy Committee Meeting, by Kim O'Haver, second by Robert Ziliak.

Motion Approved.

5. Staff Report

Kim Gallagher discussed the Long range Plan Reaffirmation Process. She said that reaffirmation would allow a more time to create the new Long range plan. This is needed because the joint travel demand model between NATS and MAGOG was created to align with MACOG's planning scheduled

Kim Gallagher said that they were working on an online transportation survey for NATS. A survey is already online for TwinCATS. The survey asks questions about how different users feel about the transportation system (Drivers, Bicyclists, and pedestrians).

Kim Gallagher said that CMAQ funding was changing and that counties in attainments would not receive funding. There would be no maintenance funding. Berrien County was very likely to be designated nonattainment. All project currently scheduled through 2020 will be honored. The level of CMAQ funding for 2021 is not known.

Kim Gallagher said that performance measures (PM) would need to be incorporated in to the transportation improvement program (TIP) document. The only PM currently in effect is safety. Staff will have to show that projects in the TIP contribute to meeting the performance targets. This will be done by using Crash Reduction Factors, which are metric for estimating effects of safety countermeasures.

6. **Community Land Use and Zoning Member Updates**

None.

7. **Public Transit**

Berrien Countywide Service Plan: Kim Gallagher said that a draft of scenarios was sent to the technical committee.

Niles Dial a Ride: None.

Buchanan Dial a Ride: Kim O'Haver said that FTA & MDOT had conducted the triennial review of Buchanan Dial A Ride and had no findings.

8. **Project Status Reports**

City of Niles – 17th Street Project: There is an administrative modification to apply \$44,123 in unspent fund to the project. At the February meeting, it was announced that NATS had unprogrammed funds. An email was sent to all road agencies in the NATS area with several scenarios for using the funds. The city of Niles was the only agency that responded. The additional funds will lower the city's match from 36.4% to 18.7%.

Construction is estimated to begin on June 18, 2018.

City of Buchanan – River Road Signal: Project is undergoing design now. Various alternatives such as a roundabout were considered but not perused to cost and timing. The project is expected to be obligated in July and let in September 2018 but not constructed until spring 2019.

Cass County Road Commission

- **Mason Street:** on schedule for letting on June 1, 2018 and construction on June 18, 2018.
- **US-12 Edwardsburg Path:** Working on final plans and Right of Way acquisition.
- **Gumwood Path:** Final Plans were submitted to MDOT.

MDOT:

- **US-12 Resurface:** Letting will occur in April for a July Construction start date, after school is out for the summer.
- **US-31 over US-12:** Preliminary Engineering for 2020 construction.

9. **Old Business**

None.

10. **New Business**

Approval of updated TIP amendment policy: Brandon Kovnat presented a new TIP Amendment Policy. The policy was updated to conform to the newest Federal and state guidelines.

Motion by the technical advisory committee to recommend that the Policy committee approve the new TIP amendment policy, by Brian Berndt, second by Butch Payton. **Motion Approved**

Motion by the Policy Committee to approve the new TIP amendment policy, by Jim Sturdevant, second by Roseann Marchetti. **Motion Approved**

11. State and Federal Updates

Jim Sturdevant said that the most recent NATS TIOP amendment had been approved. HE said that the JobNet phase 2 switch would occur in July. He said he wanted any amendments by the April meeting so that they could be approved before July.

12. Privilege of the Floor

None.

13. Adjournment

Meeting was adjourned at 3:00 PM. The next NATS meeting is scheduled for Tuesday, April 24, 2018 @ 1:30 pm.

Minutes Compiled by Brandon Kovnat, SWMPC associate planner

Date: 10/17/2017

Name: _____ Joe Ray



Southwest Michigan Planning Commission

376 West Main Street, Suite 130 • Benton Harbor, MI 49022-3651

Project Update Sheet

Project Name:	17 th Street
Fiscal Year of award:	2018
Responsible Agency:	City of Niles
MDOT Job Number:	130866
Project Limits:	Broadway to Main St.
Project Length:	0.57 miles
Location:	City of Niles
Work Type:	Resurface

Project Description: Mill existing pavement 1.5 deep. Repave with 220#/SYD HMA 5E1. Construct ADA sidewalk ramps.

	Amount	Source
Federal	\$159,000	STP Large Urban
Local	\$91,000	City of Niles
Total	\$250,000	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC		10/20/17
Project Application Submitted to MOT		10/15/17
Grade Inspection Package Submitted to MDOT	11/13/17	
Grade Inspection Meeting Scheduled	12/13/17	
Final Plan and Estimate to MDOT	1/19/18	
Project Obligated		
Project Letting	4/6/2018	
Construction Start	6/18/18	
Project Completion	7/24/18	

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:



Southwest Michigan Planning Commission

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Project Update Sheet

Project Name:	River Street Signal
Fiscal Year of award:	2018
Responsible Agency:	City of Buchanan
MDOT Job Number:	130766
Project Limits:	River Street and Red Bud Trail Interaction
Project Length:	
Location:	City of Buchanan
Work Type:	Traffic Opp/Safety

Project Description: complete signalization replacement with actuated signals with LED lights, vehicular video detection equipment, ADA accessible ramps and associated sidewalk and curb and gutter replacement. HMA resurfacing of the intersection 1.5 deep pedestrian push button and signalization.

	Amount	Source
Federal	\$203,000	STP - Large Urban
Local	\$51,000	City of Buchanan
Total	\$254,000	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC		
Project Application Submitted to MOT	5/14/2018	
Grade Inspection Package Submitted to MDOT	5/14/2018	
Grade Inspection Meeting Scheduled	6/13/2018	
Final Plan and Estimate to MDOT	7/20/2018	
Project Obligated	8/12/2018	
Project Letting	10/05/2018	
Construction Start	3/01/2019	
Project Completion	6/15/2019	

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

Date: Click or tap to enter a date.

Name: _____



Southwest Michigan Planning Commission

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Project Update Sheet

Project Name:	Mason Street
Fiscal Year of award:	2018
Responsible Agency:	Cass County Road Commission
MDOT Job Number:	130776
Project Limits:	Cassopolis Rd o Calvin Center Rd
Project Length:	2.15 miles
Location:	Mason Township
Work Type:	Resurface

Project Description: HMA Overlay with Shoulders, signage, and pavement markings

	Amount	Source
Federal	\$156,000	STP Large Urban
Local	\$69,000	Cass County Road Commission
Total	\$225,000	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC	11/21/17	3/28/18
Project Application Submitted to MOT	12/17	3/12/18
Grade Inspection Package Submitted to MDOT	12/17	3/12/18
Grade Inspection Meeting Scheduled	1/18	na
Final Plan and Estimate to MDOT	2/18	3/16/18
Project Obligated	2/18	3/26/18
Project Letting	5/18	6/1/18
Construction Start	6/18	7/18
Project Completion	8/18	8/31/18

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

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Date: Click or tap to enter a date.

Name: _____



Southwest Michigan Planning Commission

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Project Update Sheet

Project Name:	Gumwood road Phase 3
Fiscal Year of award:	2018
Responsible Agency:	Cass County Road Commission
MDOT Job Number:	200409
Project Limits:	North of Indiana State line to 0.1 miles south of Redfield
Project Length:	0.2 miles
Location:	Milton township
Work Type:	Non-Motorized Facility
Phase:	CON

Project Description: Non-motorized, multi-use path

	Amount	Source
Federal	\$80,514	TAP
State		
Local	\$17854	Cass County
Total	\$98,368	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC		3/28/18
Project Application Submitted to MOT	3/17	8/14/17
Grade Inspection Package Submitted to MDOT	4/17	8/15/17
Grade Inspection Meeting Scheduled	5/17	8/18/17
Final Plan and Estimate to MDOT	6/17	2/22/18
Project Obligated		4/2/18
Project Letting	6/18	
Construction Start	9/3/18	
Project Completion	4/30/19	

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

Project moved from 2017 to 2018 due to design contract selection delay and obligation authority expired in 2017. Project request to move to FY 2018 was in January, 2018.

Date: Click or tap to enter a date.

Name: _____



Southwest Michigan Planning Commission

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Project Update Sheet

Project Name:	US-12 Path
Fiscal Year of award:	2018
Responsible Agency:	Cass County Road Commission
MDOT Job Number:	127757
Project Limits:	Clair St. to the Edwardsburg Sports Complex
Project Length:	0.5 miles
Location:	Ontwa Township
Work Type:	Roadside facility

Project Description: Construction of a 10 ft. multi-use pathway to connect Edwardsburg schools to Edwardsburg Sports Complex

	Amount	Source
Federal	\$148,260	CMAQ
Local	\$37,065	Cass County Road Commission
Total	\$185,325	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC	na	na
Project Application Submitted to MOT	3/27/17	6/21/17
Grade Inspection Package Submitted to MDOT	4/10/17	6/21/17
Grade Inspection Meeting Scheduled	5/17	7/25/17
Final Plan and Estimate to MDOT	7/18/17	3/16/18
Project Obligated		
Project Letting	11/17	
Construction Start	6/18	
Project Completion	8/18	

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

Project slowed to meet MDNR Grant timeline, ROW acquisition, and need for increased local funding.

Date: 4/12/2018

Name: _____ Jonathon Smith



Southwest Michigan Planning Commission

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Project Update Sheet

Project Name:	M-62
Fiscal Year of award:	2018
Responsible Agency:	MDOT
MDOT Job Number:	200483
Project Limits:	US-12 (in Edwardsburg) to Hilton Steet (in Village of Cassopolis)
Project Length:	9.45
Location:	Edwardsburg, Ontwa Township
Work Type:	Resurface
Phase:	CON

Project Description: Mill and One Course Hot Mix Asphalt Overlay

	Amount	Source
Federal		
State	\$2,347,325	MTF
Local		
Total	\$2,347,325	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC		
Project Application Submitted to MOT		
Grade Inspection Package Submitted to MDOT		
Grade Inspection Meeting Scheduled		
Final Plan and Estimate to MDOT		
Project Obligated		
Project Letting	02/2018	
Construction Start	04/10/2018	
Project Completion	05/18/2018	

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

Project was let and came in 18.18% under engineers estimate at \$1.425M.

Date: 4/12/2018

Name: _____ Jonathon Smith



Southwest Michigan Planning Commission

376 West Main Street, Suite 130 • Benton Harbor, MI 49022-3651

Project Update Sheet

Project Name:	M-60
Fiscal Year of award:	M-60 near Pine Lake Road
Responsible Agency:	MDOT
MDOT Job Number:	132633
Project Limits:	M-60 near Pine Lake Road
Project Length:	0.74
Location:	Howard Township
Work Type:	Safety
Phase:	PE & CON

Project Description: High Friction Surface Treatment

	Amount	Source
Federal	\$354,039	HSIP
State	\$39,338	MTF
Local		
Total	\$393,377	

Activity	Estimated Date	Actual Date
Resolution of Support for Local Match Submitted to SMWPC		
Project Application Submitted to MOT		
Grade Inspection Package Submitted to MDOT		
Grade Inspection Meeting Scheduled		
Final Plan and Estimate to MDOT		
Project Obligated		
Project Letting	10/2018	
Construction Start	Spring 2019	
Project Completion		

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

Project design has begun and is on schedule.

Date: 4/12/2018

Name: _____ Jonathon Smith



Southwest Michigan Planning Commission

376 West Main Street, Suite 130 • Benton Harbor, MI 49022-3651

Project Update Sheet

Project Name:	US-31
Fiscal Year of award:	2018
Responsible Agency:	MDOT
MDOT Job Number:	129876
Project Limits:	Over US-12
Project Length:	0.41 miles
Location:	Bertrand Township
Work Type:	Restore and Rehabilitate
Phase	PE & SUB

Project Description: Shallow Overlay, Full Paint, Pin and Hangers

	Amount PE	Amount SUB	Source
Federal	\$41,265	\$331,972	NH
State	\$9,150	\$73,613	M
Total	\$50,415	\$405,585	

Activity	Estimated Date	Actual Date
Project Application Submitted		
Grade Inspection Package Submitted		
Grade Inspection Meeting Scheduled		
Final Plan and Estimate		
Project Obligated		
Project Letting	01/10/2020	
Construction Start		
Project Completion		

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

No work yet performed. Project PE will be obligated soon.

Date: 4/12/2018

Name: _____ Jonathon Smith



Southwest Michigan Planning Commission

376 West Main Street, Suite 130 • Benton Harbor, MI 49022-3651

Project Update Sheet

Project Name:	US-12
Fiscal Year of award:	2018
Responsible Agency:	MDOT
MDOT Job Number:	
Project Limits:	West Village Limits of Edwardsburg to M-62
Project Length:	0.84 miles
Location:	Village of Edwardsburg
Work Type:	Resurface
Phase	CON

Project Description: Cold Milling and Multiple Course HMA Overlay

	Amount	Source
Federal	\$1,456,930	ST
State	\$302,370	M
Total	\$1,759,300	

Activity	Estimated Date	Actual Date
Project Application Submitted		
Grade Inspection Package Submitted	09/2017	09/2017
Grade Inspection Meeting Scheduled	11/02/2017	11/02/2017
Final Plan and Estimate		
Project Obligated		
Project Letting	04/2018	
Construction Start	06/25/2018	
Project Completion	10/2018	

Project is: ☒ On Schedule ☐ Behind Schedule; Explain:

Project was let in April and came in 4.9% over engineers estimate at \$1.488M.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
SOUTHWEST REGION

KIRK T. STEUDLE
DIRECTOR

April 13, 2018

Mr. John Egelhaaf, Executive Director
Southwest Michigan Planning Commission
376 W. Main Street, Suite 130
Benton Harbor, Michigan 49022

Dear Mr. Egelhaaf:

The Michigan Department of Transportation (MDOT) would like to inform the NATS (Nile-Buchanan-Cass) MPO committees of several amendment requests to the FY2017-2020 Transportation Improvement Plan (TIP). Additional details for these projects are included in the table below:

Fiscal Year	Project Name	Project Limits	Primary Work Type	Phase	Federal Cost & Source	State Cost & Source	MDOT Job #
2018	M-60 E	M-60BR (Main) @US-12BR, US-31BR, 12 th ; M-51 (Eleventh) @Ontario Rd; M-51 (5 th) @US-33, US-12BR (Main); M-60 @M-60BR, Yankee, Beebe & Huntley	Traffic Safety – Traffic Signals	PE	\$189,200 STG	\$0	200366
2018	M-60 E	M-60BR (Main) @US-12BR, US-31BR, 12 th	Traffic Safety – Traffic Signals	ROW	\$5,000 STG	\$0	200366
2020	M-60 E	M-60BR (Main) @US-12BR, US-31BR, 12 th ; M-51 (Eleventh) @Ontario Rd; M-51 (5 th) @US-33, US-12BR (Main); M-60 @M-60BR, Yankee, Beebe & Huntley	Traffic Safety – Traffic Signals	CON	\$856,160 STG	\$0	200366

If you have any questions, please contact me at (269) 337-3922 or sanadab1@michigan.gov.

Sincerely,

Brian Sanada
Transportation Planner

RESOLUTION APPROVING THE REAFFIRMATION OF THE NILES BUCHANA CASS AREA TRANSPORTATION 2040 LONG RANGE TRANSPORATION PLAN

WHEARAS, the Southwest Michigan Planning Commission (SWMPC) is the designated Metropolitan Planning Organization (MPO) for the Niles, Buchanan, Cass Transportation Planning Study Area; and

WHEARAS, the policy committee of the Niles, Buchanan Cass Transportation Planning Study (NATS) is responsible for the development and approval of a Long Range Transportation Plan; and

WHEARAS, the NATS 2040 Long Range Transportation Plan has a planning horizon of 20 years and this plan can be amended periodically upon request with the appropriate documentation supporting such a request; and

WHEARAS, the NATS 2040 Long Range Transportation Plan was adopted by the NATS on June 25, 2013; and

WHEARAS, the NATS 2040 Long Range Transportation Plan must be updated at least every four years to confirm its validity and consistency with current and forecast trends and to extend the planning horizon if necessary; and

WHEARAS, the Southwest Michigan Planning Commission (SWMPC) has reviewed the population and employment forecasts for 2040 and find that they are still valid; and

WHEARAS, the SWMPC has reviewed the travel forecasts, capacity deficiencies, and the proposed improvements in the NATS 2040 Long Range Transportation Plan and find that they are still valid; now therefore

BE IT RESOLVED, that the NATS MPO reaffirms the NATS 2040 Long Range Transportation Plan.

Richard Cooper, Policy Committee Chair
Niles Buchanan Cass Area Transportation Study

Date

COMMITTEE ACTION NEEDED

DATE: April 17, 2018

TO: TAC and Policy Committee

PREPARED BY: Kim Gallagher and Brandon Kovnat

SUBJECT: 2018-2021 TIP Amendment: Safety Performance Measure Language

REQUESTED ACTION:

Amend the 2017- 2020 Transportation Improvement Program (TIP) to incorporate safety performance measure language.

RECOMMENDED MOTION:

That the TAC and Policy Committees approve an amendment to the 2017-2020 Transportation Improvement Program (TIP) to incorporate safety performance measure language.

BACKGROUND AND PURPOSE OF ACTION: This TIP amendment is needed to add text related to performance measures. Title 23, Section 450.326(d) of the CFR states: *The TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets.*

The initial incorporation of performance measures into the TIP includes performance measure (PM) 1 – Safety with a deadline of May 27, 2018. While it is not necessarily required to incorporate language on this performance measure into the current (2017-2020) TIP, the ability to amend projects into or within the TIP could be jeopardized if this language is not included.

RELATIONSHIP TO REGIONAL POLICY: Federal law requires that all transportation projects That will be funded with federal funds must be in an approved TIP. Further, federal law requires Performance-based planning related to for safety, pavement, bridge, reliability, freight, Congestion Management/Air Quality (CMAQ), and transit asset and safety. The schedule for Inclusion of these measures is staggered, with the first measure, safety, is to be incorporated into the TIP by May 27, 2018.

STAFF ANALYSIS: This is a text change and does not affect any individual project in the TIP. This change enables the TIP to be compliant with federal regulations and to remain flexible if an amendment is needed to an individual project.

PERFORMANCE MEASURES AND TARGETS

Background

Pursuant to Title 23, Section 450.326(d) of the Code of Federal Regulations, the Metropolitan Council is required to incorporate a performance-based planning approach when developing the TIP. This includes an analysis of the anticipated effect the TIP may have towards achieving the performance targets adopted for the metropolitan area. Specifically, the regulation states:

The TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets.

This approach was first established in 2012 with the federal Moving Ahead for Progress in the 21st Century Act (MAP-21), which established performance-based planning and identified the Federal performance measures for safety, pavement, bridge, reliability, freight, CMAQ, and transit asset management and safety. The requirements continue through the federal Fixing America's Surface Transportation (FAST) Act, signed into law in 2015. The following are the three broad performance measure categories and the dates by which they must be included in the TIP:

- Safety Performance Measure (PM1): May 27, 2018
- Pavement and Bridge Performance Measure (PM2): May 20, 2019
- System Performance Measures and CMAQ (PM3): May 20, 2019

NATS Activities and Progress

NATS officially adopted the State of Michigan Safety Performance measures and targets on January 23, 2018, and submitted them to Michigan Department of Transportation. The following 2018 safety targets were adopted for the NATS area:

- Number of traffic fatalities: 1003.2
- Fatality rate (fatal crashes per 100 million vehicle miles travelled): 1.02 per 100M VM
- Serious injury crashes: 5,136.4
- Serious injury rate (number of serious injury crashes per 100 million vehicle miles travelled): 5.23 per 100 million VMT
- Non-motorized fatalities and serious injuries: 743.6

The staff at SWMPC and NATS continues to work closely with MDOT to develop state targets for the PM2, PM3, and CMAQ measures, and will adopt the targets prior to the May 20, 2019 deadline. In the future, TIPs will include adopted regional targets for all three of the performance measure categories.

The upcoming NATS 2045 Long Range Transportation Plan (LRP) includes an overarching goal related to safety—the Guiding Principle of Safety, as well as strategies (actions) NATS will employ to ensure that

the desired safety outcomes are met. In addition, the five federally required safety performance measures and targets are included in the 2045 LRP along with the existing conditions and performance trends for all of the performance measures.

In addition to the LRP, there are several studies that have been completed that directly address safety issues a propose strategies to improve safety within the region. These studies include the Michigan Strategic Highway Safety Plan and the Southwest Region Local Safety Plan.

Anticipated Effect of the Safety Performance Measures

The 2017-2020 TIP is anticipated to have a positive effect towards meeting NATS established safety performance targets. The TIP reflects \$74,746 in FHWA Safety funds. These projects address both existing high-incident locations (reactive projects) and proactive projects that pre-emptively address safety. projects utilizing Surface Transportation Funding (STP) also address safety.

The member communities that make up NATS are committed to further improving transportation safety. This is reflected in the importance of safety-related scoring criteria included in the NATS solicitation of projects and in the projects that are ultimately programed into the TIP.

Each project that is programed into the TIP is reviewed to quantify their effects on safety. (See Table on following page) The SWMPC staff analyzes each of the projects utilizing FHWA's Crash Reduction Factor Desktop Reference Guide to estimate the effectiveness of each project. Crash Reduction Factors (CRF), are estimates of how a certain safety countermeasures will reduce crashes. Below is a summary of the safety countermeasures included in the NATS 2017-2020 projects.

"A CRF should be regarded as a generic estimate of the effectiveness of a countermeasure. The estimate is a useful guide, but it remains necessary to apply engineering judgment and to consider site-specific environmental, traffic volume, traffic mix, geometric, and operational conditions, which will affect the safety impact of a countermeasure."

FHWA CFR Desktop Reference Guide

NATS 2017-2020 Local Projects

Countermeasure	CRF
Crosswalks	25.0%
Bike lanes	36.0%
Resurface	33.0%
Shoulder	20.0%
Sidewalk	70.0%
Guard Rails	30%
Tree Removal	38%
Signal	20%
Left turn lane	74%

The tables on the following pages provide details for each local project within the 2017-2020 TIP. Each project in the TIP was given a value based on the number of crashes that are estimated be reduced based on all of countermeasures applied. This analysis uses a multiplier effect for projects that include multiple countermeasures. What this means is that if the CRF for resurface is a 33% reduction and the CRF for a 5 ft. paved shoulder is a 20% reduction, the project was estimated to reduce crashes by 46%. The CRF used apply to all crash types. It was assumed that a reduction in all crashes would translate to a proportional reduction in

The CRF is the percent reduction in crashes expected from the countermeasure Fatalities and Serious Injuries.

Fiscal Year	MDOT Job No.	Responsible Agency	Project Name	Limits	Safety Features	CMF Total	Accidents 10 yrs	K&A	Ped/Bike	Crash Reduction
2017	120683	Berrien County Road Commission	Dayton, Orange, Third, Fulkerson and Ontario	Dayton from US 12 to State Line; Orange from Bertrand to State Line; 3rd from Bell to Fulkerson; Fulkerson from 3rd to S 11th. Ontario: Third to Cass County	Resurface Only	0.33	149	1	1	49
2017	120684	Berrien County Road Commission	Red Bud Trail and Niles Buchanan Road	Red Bud Trail: City of Buchanan to US 12 AND Niles Buchanan Road Niles to Buchanan	Resurface Only	0.33	332	8	2	110
2017	130875	Berrien County Road Commission	Upgrading Guardrails on Various Primary Roads	North Main Street: City of Buchanan to Andrews Road	Guardrail	0.3	9	0	0	3
2017	120692	City of Niles	Sycamore St	13th to 17th	Crosswalks, Resurface	0.33	7	1	1	2
2017	120691	Cass County Road Commission	Redfield St	Brandywine Creek to Oak	Resurface Only	0.33	49	3	1	16
2018	131063	Berrien County Road Commission	Indiana Michigan River Valley Trail	Brandywine Creek Nature Preserve to Fort St	Non-motorized path					
2018	130766	City of Buchanan	River Road Signal Project	at Red Bud Trail	Signal, Crosswalk, Crosswalk signals, video camera	0.2	20	0	0	4
2018	130866	City of Niles	17th St	Broadway to Main	Crosswalks, Resurface	0.33	43	0	2	14
Fiscal	MDOT	Responsible	Project Name	Limits	Safety	CMF	Acidents	K&A	Ped/Bik	Crash

Year	Job No.	Agency			Features	Total	10 yrs		e	Reduction
2018	130776	Cass County Road Commission	Mason St	Cassopolis Road to Calvin Center Road	Resurface Only	0.33	9	1	0	3
2018	200409	Cass County Road Commission	Gumwood road Phase 3	North of Indiana State line to 0.1 miles south of Redfield	Non-motorized path					
2018		Cass County Road Commission	Yankee Street	On Yankee Street east of M 60 in Howard Township	Guardrail	0.2	44	1	0	9
2019	130684	Berrien County	N Main St	City limits to 400 feet South of Reed	Resurface, Guardrail	0.464	26	0	0	12
2019	130775	Berrien County	Bertrand Rd	Portage to Copp	Resurface Only	0.33	95	1	1	31
2019	130772	Cass County	Redfield St	Conrad Road to M-62	Resurface Ony	0.33	16	0	0	5
2020	130769	Berrien County	3rd St	US-12 to Fulkerson Road	Resurface Only	0.33	80	0	0	26
2020	130763	Cass County	Lake St	Airport Road to Huntly	Resurface Only	0.33	35	1	1	12
2020		Cass County Road Commission	Ontwa Township Complete Streets Phase 2	US-12 and Claire Street	Path					

NATS Priorities

NATS is incorporating a number strategies into the 2017-2020 TIP and the 2045 Long Range Transportation Plan intended to improve transportation safety and meet the 2018 safety targets.

Specific strategies include:

- Transportation partners will incorporate safety and security considerations for all modes and users throughout the processes of planning, funding, construction, and operation.
- Transportation partners should monitor and routinely analyze safety data by mode, severity, and location to identify priorities and progress.
- Transportation partners will use best practices to provide and improve facilities for safe walking and bicycling, since pedestrians and bicyclists are the most vulnerable users of the transportation system.
- Transportation partners will support the state's vision of moving toward zero traffic fatalities and serious injuries, which includes supporting education and enforcement programs to increase awareness of regional safety issues, shared responsibility, and safe behavior.

Conclusion

NATS supports the efforts to move towards a performance-based planning approach, and will continue to work closely with regional, state, and federal partners to proactively establish and monitor both the required federal and the adopted performance measures over time. Moving forward, NATS will continue to devote substantial resources to this effort and work closely with stakeholders to assess the federal targets and the performance measures and adjust to changes in the performance of the system by shifting investment priorities.

MEMORANDUM OF UNDERSTANDING

METROPOLITAN TRANSPORTATION PLANNING RESPONSIBILITIES FOR THE NILES-BUCHANAN-CASS AREA TRANSPORTATION STUDY (NATS)

This agreement is made and entered into as of _____ 2018 by and between the Michigan Department of Transportation (MDOT) hereafter referred to as the **DEPARTMENT**; the Southwest Michigan Planning Commission hereafter referred to as the **AGENCY**; and the Niles Dial A Ride hereafter referred to as the **TRANSIT OPERATOR**.

WHEREAS, joint responsibilities must be met for establishing and maintaining a cooperative, comprehensive and continuing metropolitan transportation planning and programming process as required by the United States Department of Transportation (USDOT) in regulations at 23 CFR 450 Subpart A –Transportation Planning and Programming Definitions and 23 CFR 450 Subpart C – Metropolitan Transportation Planning and Programming, and

WHEREAS, the regulations at 23 CFR 450.314 Metropolitan Planning Agreements require the DEPARTMENT, the AGENCY and TRANSIT OPERATOR to cooperatively determine their mutual responsibilities in carrying out the metropolitan transportation planning and programming process. The responsibilities shall be clearly identified in written agreements among the Metropolitan Planning Organization (MPO) the State and the public transportation operator(s) serving the Metropolitan Planning Area (MPA). The written agreement(s) shall include specific provisions for cooperatively developing and sharing information related to the development of financial plans that support the metropolitan transportation plan and the metropolitan Transportation Improvement Program (TIP) and the development of the annual listing of obligated projects.

WHEREAS, the regulations at 23 CFR 450.104 define public transportation operator to mean the public entity which participates in the continuing, cooperative comprehensive transportation planning process in accordance with 23 U.S.C. 134 and 135 and 409 U.S.C. 5303 and 5304, and is the designated recipient of Federal funds under Title 49 U.S.C. Chapter 53 for transportation by a conveyance that provides regular and continuing general or special transportation to the public, but does not include school bus or intercity bus transportation or intercity passenger rail transportation provided by Amtrak.

WHEREAS, nothing in this Memorandum of Understanding (MOU) shall limit the legal authorities of the parties.

NOW, THEREFORE, the DEPARTMENT, the AGENCY and the TRANSIT OPERATOR recognize and agree that they will conduct a cooperative, comprehensive and continuing transportation planning and programming process for the Niles Area Transportation Study planning area and that their mutual responsibilities for carrying out this process are described in the following articles:

Article 1

Scope of the Metropolitan Planning Process

The AGENCY, the DEPARTMENT and the TRANSIT OPERATOR will conduct a performance-based metropolitan transportation planning process that is continuous, cooperative and comprehensive and provide for the consideration of projects, strategies and services that will address the current planning factors as specified in 23 CFR 450.306: Scope of the Metropolitan Transportation Planning Process. The metropolitan transportation planning process will provide for the establishment and use of a performance-based approach to transportation decision-making to support the national goals described in 23 U.S.C. 150(b) and the general purpose described in 49 U.S.C. 5301 (c).

Article 2

MPO Structure and Planning Boundaries

The AGENCY will be designated the MPO for the Niles, Buchanan, Cass urbanized area by the Governor of Michigan. The AGENCY'S membership includes local elected officials, DEPARTMENT representatives and officials of agencies that administer or operate major modes of systems of transportation.

The AGENCY will have bylaws that establish its membership, officers, voting procedures, public participation and procedures for amendments and administrative modifications.

The AGENCY will establish transportation policy, oversee the planning process for the metropolitan area, provide a forum for cooperative decision making and ensure that there is technical support from transportation providers to oversee the technical aspects of the transportation planning process.

The AGENCY will establish a Technical Committee to advise and assist in all aspects of the metropolitan transportation planning process.

The AGENCY will take action to approve the metropolitan planning area (MPA) boundary that encompasses the existing urbanized area plus the contiguous area expected to become urbanized within a 20-year forecast period for the metropolitan plan. The MPA was determined by agreement with the AGENCY and the Governor.

After each Census, the AGENCY will review this planning boundary with the DEPARTMENT and the TRANSIT OPERATOR to determine if it meets the minimum statutory requirements for new and updated urbanized areas, and will adjust the boundary as necessary.

Article 3

Unified Planning Work Program

The AGENCY, the DEPARTMENT and the TRANSIT OPERATOR in cooperation with the local jurisdictions shall prepare the Unified Planning Work Program (UPWP) as required under

23 CFR 450.308: Unified Planning Work Program. The UPWP shall document the metropolitan transportation planning activities anticipated during the upcoming year. The UPWP shall identify the cost and the proposed funding for accomplishing the documented work activities. The AGENCY will approve the UPWP and submit it to the DEPARTMENT for its review and formal submittal to the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) for approval and funding.

Article 4

Participation Plan

The AGENCY will adopt and use a Participation Plan to provide citizens, affected public agencies and all interested parties with reasonable opportunities to be involved in the metropolitan transportation planning process and to review and comment at key decision points as specified in 23 CFR 450.316 (a): Interested Parties, Participation and Consultation. The plan will be developed in consultation with interested parties and will describe the procedures, strategies and desired outcomes of the plan. The plan will provide timely notice, reasonable access to information including but not limited to a reasonable opportunity to comment on the proposed Long-Range Transportation Plan (LRTP) and Transportation Improvement Program (TIP) and amendments to the LRTP and TIP.

Article 5

Consultation

The AGENCY will develop a documented consultation process for developing the LRTP and TIP as specified in 23 CFR 450.316 (b-e), and 23 CFR 450.322 (h) (1-2), specifically in connection with the LRTP and 23 CFR 450.324 (f) (10), related to environmental mitigation. The documented consultation process will outline the roles, responsibilities, and key decision points for consulting with other governments, agencies and officials responsible for other planning activities in the MPA.

Article 6

Transportation Planning Studies and Project Development

The AGENCY, the DEPARTMENT or the TRANSIT OPERATOR may undertake a multimodal, systems level corridor or sub-area planning study as part of the metropolitan transportation planning process. The development of these studies will involve consultation with, or joint efforts among, the AGENCY, the DEPARTMENT and the TRANSIT OPERATOR. The results or decision of these planning studies may be used as part of the overall project development process consistent with the National Environmental Policy Act (NEPA) as specified in 23 CFR 450.318 Transportation Planning Studies and Project Development.

Article 7

Air Quality Transportation Planning

The AGENCY and DEPARTMENT'S air quality transportation planning activities for the Niles Buchanan-Cass Area Transportation Study metropolitan planning area are described in the Unified Planning Work Program (UPWP). These activities are designed to ensure the AGENCY can make air quality conformity determinations on the LRTP and TIP in accordance with the Clean Air Act, the Environmental Protection Agency (EPA), the Transportation Conformity Regulations and the State Implementation Plan (SIP). The AGENCY, within one year of being designated part of a transportation national ambient air quality standard (NAAQS) nonattainment, will sign the current transportation conformity SIP memorandum of agreement, which lists the roles, responsibilities, and rules for interagency consultation (IAWG) and conformity. For MPO's in nonattainment areas larger than the MPO boundaries the coordination between the DEPARTMENT and Agency will be described in the UPWP. The Agency and DEPARTMENT and the Michigan Department of Environmental Quality will agree to have interagency and public consultation procedures regarding its air quality activities for the development and amendments to the LRTP and TIP. The DEPARTMENT will transmit the conformity analysis for LRTPs and TIPs to the Federal Highway Administration (FHWA) in a timely manner.

Article 8

Travel Demand Forecasting Model

The Department will maintain and operate the area's travel demand forecasting model used in the development of LRTP, TIP, air quality conformity analysis, project identification and prioritization, and various planning studies. (Existing Memorandum of Understanding between the DEPARTMENT and AGENCY regarding travel demand forecasting is incorporated by reference.)

Article 9

Long Range Transportation Plan

The AGENCY will develop the Long-Range Transportation Plan with assistance and guidance from the DEPARTMENT to ensure the plan content meets all requirements specified in 23 CFR 450.324: Development and Content of the Metropolitan Plan. The AGENCY, DEPARTMENT and TRANSIT OPERATOR will jointly conduct financial analyses and planning to determine the availability of revenue to demonstrate fiscal constraint of the LRTP. The DEPARTMENT will take the lead in providing estimates of available Federal and State funds that can be used in developing the LRTP. The AGENCY will provide estimates of local revenues. The AGENCY will adopt and maintain the LRTP. The AGENCY will submit the LRTP to the DEPARTMENT and the Federal Highway Administration and Federal Transit Administration for informational purposes. The AGENCY shall review and update the LRTP at least every four years to confirm the plan's validity and consistency with current and forecasted transportation and land use conditions and trends and to extend the forecast period to at least a 20-year horizon. When the LRTP is amended or updated the AGENCY, the DEPARTMENT and the TRANSIT OPERATOR will cooperatively develop, share, review and adopt estimates of revenues and cost required for demonstrating financial constraint for the transportation plan as specified in 23 CFR 450.324(f) (11).

Article 10

Transportation Improvement Program

The AGENCY will cooperatively develop a Transportation Improvement Program (TIP) that is consistent with the AGENCY'S LRTP and will be financially constrained. The AGENCY, the DEPARTMENT and the TRANSIT OPERATOR will ensure that the Transportation Improvement Program development process and Transportation Improvement Program (TIP) content meet all requirements as specified in

23 CFR 450.326: Development and Content of the Transportation Improvement Program. The TIP will contain all Title 23 and Title 49 federally funded state trunkline and local projects and all regionally significant state and local projects, regardless of funding source. When developing, updating and amending the TIP, the AGENCY, the DEPARTMENT and the TRANSIT OPERATOR will cooperatively develop, share, review and adopt estimates of revenues and cost required for the financial plan that demonstrates fiscal constraint for the TIP as specified in 23 CFR 450.326 (j) & (k). The TIP will list all projects in sufficient detail in accordance with regulations and reflect public involvement and criteria used to prioritize projects. The AGENCY will approve the TIP and submit it to the DEPARTMENT for its approval and inclusion in the State Transportation Improvement Program (STIP). The AGENCY'S TIP will be incorporated by reference in the STIP and formally submitted to the FHWA and FTA. TIP amendments and modifications will follow procedures for TIP modifications as adopted by the AGENCY and as specified in 23CFR 450.328. The AGENCY and the DEPARTMENT will jointly manage the TIP including project tracking and monitoring of obligation authority.

Article 11

Annual Listing of Projects with Federal Funding Obligations

Each year within 90 days after the close of the federal fiscal year the AGENCY, the DEPARTMENT and TRANSIT OPERATOR will cooperatively develop a listing of projects from the TIP for which federal transportation funds were obligated in the preceding fiscal year. This report will contain the projects and financial information as required in 23CFR 450.334 Annual Listing of Obligated Projects. This report will be made available to the public on the AGENCY web site.

Article 12

Performance-Based Transportation Planning & Programming

The MPO will establish performance targets that address the performance measures or standards established in 23 CFR part 490, 23 CFR part 450, and 49 CFR Part 625. The AGENCY, the DEPARTMENT, and the TRANSIT OPERATOR will coordinate in the establishment of state, AGENCY, and TRANSIT OPERATOR performance targets. Coordination efforts will include, but are not limited to, sharing available data related to the federally-required performance measures (subject to each agencies' data sharing policies and procedures), discussing target setting methodology, establishing performance targets, and

reporting on performance targets and progress in attaining targets. The AGENCY will plan and program projects that contribute to the achievement of state, AGENCY, and TRANSIT OPERATOR targets as appropriate. The AGENCY will develop a Congestion Mitigation and Air Quality Performance Plan if required by 23 U.S.C. 149 (1).

This agreement is approved by the respective parties hereto as the date shown.

ATTEST:

Director
Bureau of Transportation Planning

Date _____

AGENCY Chair

Date _____

AGENCY Director

Date _____

Date _____

TRANSIT OPERATOR Administrator

Memorandum of Understanding

The following exhibits are attached to the Memorandum of Understanding:

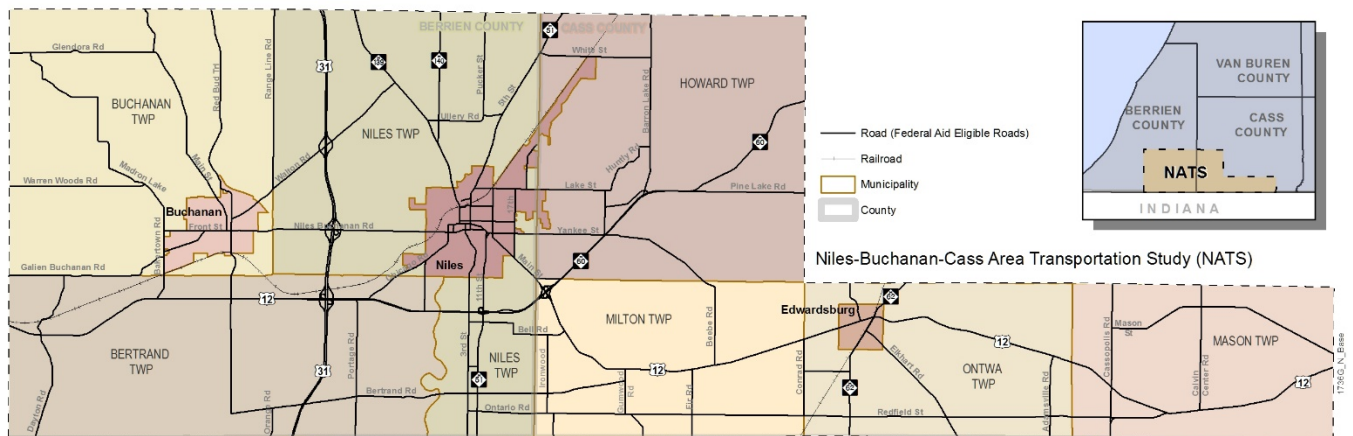
Exhibit A Metropolitan Planning Area Boundary Map

Exhibit B List of members of the AGENCY

The Agreement between AGENCY and DEPARTMENT for Travel Demand Forecasting is incorporated by reference.

The Agreement between AGENCY and TRANSIT OPERATOR for metropolitan transportation planning responsibilities serving the Metropolitan Planning Area is incorporated by reference.

Niles Area Transportation Study Planning Area



Technical Advisory Committee Members

Berrien County Community Development
 Berrien County Road Commission
 Bertrand Township
 Buchanan Dial-A-Ride
 Buchanan Township
 Cass County Planning Commission
 Cass County Road Commission Engineer
 City of Buchanan
 City of Niles Community Development
 *Federal Highway Administration - Michigan Division
 Four Flags Area Chamber of Commerce
 *Federal Transit Administration
 Howard Township
 Michiana Area Council of Governments
 Milton Township
 *Michigan Department of Environmental Quality- Air Quality Division
 *Michigan Department of Transportation - Multi-Modal Division
 Michigan Department of Transportation - Southwest Region
 Michigan Department of Transportation Statewide Planning Division
 Michigan Department of Transportation-Transportation Service Center, Coloma
 *Michigan Department of Transportation - Travel Demand
 Niles Charter Township
 Niles Dial-A-Ride
 Ontwa Township
 Pokagon Band of Potawatomi Indians
 Southwest MI Economic Growth Alliance
 *Southwest Michigan Planning

Policy Committee Members

Berrien County Community Development
 Berrien County Road Commission
 Bertrand Township
 Buchanan Dial-A-Ride
 Buchanan Township
 Cass County Planning Commission
 Cass County Road Commission Engineer
 City of Buchanan
 City of Niles, (3 representatives)
 Village of Edwardsburg
 *Federal Highway Administration - Michigan Division
 Four Flags Area Chamber of Commerce (2)
 *Federal Transit Administration
 Howard Township
 Michiana Area Council of Governments
 Milton Township
 *Michigan Department of Environmental Quality- Air Quality Division
 *Michigan Department of Transportation - Multi-Modal Division
 Michigan Department of Transportation - Southwest Region
 Michigan Department of Transportation Statewide Planning Division
 Michigan Department of Transportation, Transportation Service Center, Coloma
 *Michigan Department of Transportation - Travel Demand
 Niles Charter Township
 Niles Dial-A-Ride
 Ontwa Township
 Pokagon Band of Potawatomi Indians
 Southwest MI Econ. Growth Alliance