

TO: Kalamazoo Area Transportation Study Technical Committee

FROM: Jonathan Start, Executive Director

DATE: April 2, 2015

SUBJECT: **TECHNICAL COMMITTEE MEETING
THURSDAY, APRIL 9, 2015 - 9:00 A.M.
KALAMAZOO METRO TRANSIT
530 NORTH ROSE STREET**

The Kalamazoo Area Transportation Study Technical Committee will be meeting on Thursday, April 9, 2015 at 9:00 a.m. at Kalamazoo Metro Transit, 530 North Rose Street.

The following materials are included in your meeting packet:

1. Agenda for the April 9, 2015 meeting (reverse side)
2. Draft Minutes of the March 12, 2015 meeting
3. Proposed Amendments to the FY 2014-2017 Transportation Improvement Program
4. Proposed changes to the National Functional Classification System
5. Local Bridge Program Resolutions of Support
6. 2045 Metropolitan Transportation Plan Transportation Survey Summary

Please remember that time sheets are due by the 15th of the month.

Please submit status reports and meeting materials for the May 14 Technical Committee Meeting by Monday, May 4.

TECHNICAL COMMITTEE MEETING
APRIL 9, 2015
AGENDA

Please limit public comment to 4 minutes.

1. CALL TO ORDER
2. ROLL CALL (Sign-in Sheet Circulated)
3. CHANGES OR ADDITIONS TO THE AGENDA
4. APPROVAL OF THE AGENDA (ACTION)
5. MINUTES FROM THE MARCH 12, 2015 MEETING (Enclosure) (ACTION)
6. POLICY COMMITTEE REPORT (MARCH 25, 2015)
7. CITIZENS' COMMENTS (non-agenda items)
8. CITIZENS ADVISORY COMMITTEE REPORT
9. PROPOSED AMENDMENTS TO THE FY 2014-2017 TRANSPORTATION IMPROVEMENT PROGRAM (Enclosure)(ACTION)
10. NATIONAL FUNCTIONAL CLASSIFICATION SYSTEM REVIEW (Enclosure)(ACTION)
11. LOCAL BRIDGE PROGRAM RESOLUTIONS OF SUPPORT (Enclosures)(ACTION)
12. 2045 METROPOLITAN TRANSPORTATION PLAN TRANSPORTATION SURVEY SUMMARY (Enclosure)
13. PUBLIC TRANSPORTATION UPDATES
14. STATUS REPORTS
 - a. Roads - Questions on written status reports. Verbal reports will be limited to 4 minutes per agency
 - b. Land Use/Planning and Zoning - Questions on written status reports. Verbal reports will be limited to 4 minutes
15. NEW BUSINESS
16. ADJOURNMENT

Next Meeting: Thursday, May 14, 2015 - 9:00 a.m.

Draft Minutes of the March 12, 2015 Technical Committee Meeting

CALL TO ORDER

The March meeting of the Kalamazoo Area Transportation Study Technical Committee was called to order at 9:00 a.m. at Kalamazoo Metro Transit.

ROLE CALL

Meeting attendance was recorded on the sign in sheet. Introductions were made by those present.

MEMBERS PRESENT

Muhammad Arif	City of Portage Engineering
Tony Dacoba	Van Buren Public Transit
Dennis Durham	City of Parchment
Rick Fowler	Michigan Department of Transportation Planning (Lansing)
Darrell Harden	Michigan Department of Transportation Planning (Southwest)
Jim Hoekstra	City of Kalamazoo/ Road Commission of Kalamazoo County
Lawrence Hummel (Vice-chair)	Van Buren County Road Commission
Lotta Jarnefelt	Kalamazoo County Planning
Matt Johnson	City of Kalamazoo Engineering
Deborah Jung	City of Kalamazoo Engineering
Rebekah Kik	City of Kalamazoo Planning
Dan Lewis	Village of Schoolcraft
Greg Milliken (Chair)	Oshtemo Township
Ryan Minkus	Road Commission of Kalamazoo County
Michelle O'Neill	Michigan Department of Transportation (TSC)
Jereme Rowland	City of Portage Engineering
Ken Schippers	Village of Vicksburg
Craig Shumaker	Village of Mattawan
Mike West	City of Portage Planning
Geoff Wilson	Road Commission of Kalamazoo County
Rob Wilson	City of Galesburg

MEMBERS ABSENT

Mickey Bittner	Village of Paw Paw
Jeff Heppler	Village of Augusta
Sean McBride	KCTA/Kalamazoo Metro Transit
Anne Nieuwenhuis	Comstock Township
Mike Schwartz	Village of Richland

Alan Smaka Village of Lawton

OTHERS PRESENT

Megan Arndt	Kalamazoo Area Transportation Study
Jonathan Start	Kalamazoo Area Transportation Study
Jodi Stefforia	Kalamazoo Area Transportation Study
Steve Stepek	Kalamazoo Area Transportation Study
Monica Zehner	Kalamazoo Area Transportation Study

CHANGES OR ADDITIONS TO THE AGENDA

Start requested Roadsoft Training be added to the agenda under new business.

APPROVAL OF THE AGENDA

MOTION by Arif, *SUPPORT* by Hoekstra, “*to approve the agenda for the March 12, 2015, Technical Committee meeting.*” Motion approved.

MINUTES FROM THE FEBRUARY 12, 2015 MEETING

Copies of the draft minutes were included in the meeting materials.

MOTION by Hummel, *SUPPORT* by O’Neill, “*to approve the minutes of the February 12, 2015, Technical Committee meeting.*” Motion approved.

POLICY COMMITTEE REPORT

Start reported on the February 25, 2015 Policy Committee Meeting. The Policy Committee took action to approve the recommended amendments to the FY 2014-2017 Transportation Improvement Program and the proposed amendments to the FY 2015 Unified Planning Work Program. Abraham and Gaffney presented on the FY 2014 audit and the Policy Committee accepted the report.

CITIZEN COMMENTS-NA

CITIZEN ADVISORY COMMITTEE UPDATE

Steppek reported the next meeting of the Citizen Advisory Committee would be March 19 at 4:00 p.m. at Kalamazoo Metro Transit.

NATIONAL FUNCTIONAL CLASSIFICATION REVIEW

Every ten years the National Functional Classification System is reviewed. Under current legislation, changes to the Principal Arterial System are also part of the National Highway System and must be approved by the Federal Highway Administration. Suggested Principal Arterial changes are:

- Douglas Avenue from Kalamazoo to Business 131 from Principal Arterial to Minor Arterial
- Portage Road from Southtown to Michigan from Principal Arterial to Major Collector (by the Medical School)

Highlighted proposed changes to Major Collectors were:

- South Westnedge Avenue from Bacon to Osterhout from Minor Arterial to Major Collector
- Bacon Avenue from South Westnedge to Portage Road from Major Collector to Minor Collector

Previously there was not a Minor Collector classification in the Urban area. The City of Kalamazoo has proposed 12 major collectors to minor collectors.

Proposed additions to the Federal Aid System are:

- Arboretum from Drake to Solon from Local to Major Collector
- Vine from Davis to Westnedge from Local to Minor Collector
- Vanrick from Covington to Sprinkle from Local to Minor Collector
- Water Street from Davis to Westnedge from Local to Minor Collector
- Walnut from Westnedge to Portage from Local to Major Collector

Proposed changes from the Road Commission of Kalamazoo County to the rural area:

- 38th St from MN Ave to Miller Drive from Major Collector to Minor Collector
- P Avenue from the Urban Boundary to 28th Street from Minor Arterial to Major Collector.

Local agencies proposing changes were advised to pull up the guidance and to complete applications particularly for Principal Arterial changes. Fowler inquired if a complete list of proposed changes was available. Stepek noted that a comprehensive list of proposed changes would be available at the April meeting.

TRAVEL DEMAND MODEL UPDATE

Cambridge Systematics is in the final stages of the Travel Demand Model Development. Staff received training in February and initial model delivery. The model will support Non-motorized and Transit mode shifts. A Demo of the model is targeted for May.

PUBLIC TRANSPORTATION UPDATES

Van Buren County will have a May 5th Millage renewal.

Two public meetings will be held regarding the August 4, 2015 Central County Transportation Authority (CCTA) millage. The meetings are for public input on the millage rate, Sunday service, late night service, and increased frequencies. Meeting dates are tonight at 5:30p.m. or tomorrow at 10:00 a.m.

STATUS REPORTS

Michigan Department of Transportation: The Sprinkle Road interchange project will begin on Monday. Cork Street will be closed. Ramps to and from I-94 and Sprinkle will be closed. There will also be lane closures. Michigan Ride Calendars are available. Reconstruction on Stadium Drive and US-131 will begin on March 30. Loop ramps will be closed. There will be lane closures on Stadium. One lane will be maintained in each direction.

Arif inquired about the US-131 from I-94 to the City Limits project. O'Neill noted the project would be let this fall and built next year. Arif inquired if the Centre Street Ramps were included in the project. O'Neill confirmed the ramps were part of the project.

Road Commission of Kalamazoo County: The D Avenue project was in the March letting and came in at 20% under estimate. The U Avenue at 8th Street and Sprinkle Road projects are in for May letting. The 42nd and 38th Street Bridge Projects have Grade Inspection next week and are on target for July letting.

City of Portage: The Westnedge Avenue Project came in almost 15% over estimate. Costs associated with the water main and traffic control devices were the causes of the overages. Osterhout will be bid in June. It is a mill and resurface project. The Romence Road Congestion Mitigation Air Quality (CMAQ) project is about to be completed. Lovers Lane GI submittal is this month. The City also has an Oakland Drive mill and resurface from Kilgore to I-94.

City of Kalamazoo: The Mills Street project and the Riverview project are on schedule for a May letting.

City of Kalamazoo/Road Commission of Kalamazoo County: The E. Main Street project is targeted for a July or August letting. The Congestion Mitigation Air Quality (CMAQ) Crosstown project is planned for a June letting.

Van Buren County: The County is hopeful the W. Michigan Avenue (Red Arrow Highway) project will make a July letting. A preventative maintenance project on 653 North of M-43 is waiting for flooding to recede.

Kalamazoo County Planning: The County Planning Department continues to be active with Brownfield Redevelopment projects. A City of Portage Brownfield Plan will be presented to the Kalamazoo County Board of Commissioners for approval. Chris Bessert has been hired by Kalamazoo County to fill the Geographical Information System (GIS) Coordinator position. He will begin in April.

City of Portage Planning: Earth Fare has opened. O'Neill observed that traffic operations have not been negatively impacted at Kilgore and Westnedge by the opening. A small bank project is also planned in the outlet.

Kalamazoo Area Transportation Study: A grad student from the WMU Transportation and Research Center for Livability and Sustainability has contacted KATS regarding case studies where bridges have been analyzed for Non-motorized access. Members with information or studies were asked to contact KATS. Polly Kent, Intermodal Policy Administrator for the Michigan Department of Transportation, will present on Proposal 1 at the April 29 Policy Committee meeting. Joanna

Johnson, Managing Director of the Road Commission of Kalamazoo County, will present a local agency perspective on potential impacts of the proposal.

City of Kalamazoo Planning: The new Imagine Kalamazoo Website is live and being utilized to receive public comment on the millage proposal as well as priority based budgeting. Updates to the Non-motorized Transportation Plan are targeted for April or May.

Kalamazoo Township: The road millage has passed. The Road Commission was thanked for putting the plan together. It is a three year plan.

Oshtemo Township: Western Michigan University (WMU) is looking at expansion of the Business Technology and Research (BTR) Park to the northwest of the existing park.

Kalamazoo Area Transportation Study: Start noted that as part of the Regional Prosperity Initiative, there had been discussion from Southwest Michigan First and Cornerstone regarding identifying potential hindrances to new property development. One such hindrance was the leaving of old foundations in the ground. Start inquired if this was a zoning or ordinance issue or a demolition issue that might be reviewed for economic development.

NEW BUSINESS

Stefforia noted that “Roadsoft on the Road” training was available. Sessions available included both introductory and more advanced technical training. KATS would be willing to host the sessions if there was interest. An email will be sent out to members.

Start noted that PASER training would be offered March 24, 25, and 26. The training on March 25 will be held at the Road Commission of Kalamazoo County. Members were encouraged to submit projects for obligation.

The local agency contact for the Michigan Department of Transportation has left her position for a position in Lansing.

Fowler noted MDOT had information regarding the Ballot available on the MDOT website. Stepek noted the information was also available at the KATS website.

Stepek noted that KATS would be offering KATS timesheet training. Any members interested were asked to contact KATS.

ADJOURNMENT

There being no other business Chair Milliken adjourned the meeting at 9:40 a.m.

Kalamazoo Area Transportation Study FY 2014 - 2017 Transportation Improvement Program

6/26/2013 (2/25/2015, 3/25/158)

Required Fields																							
Fiscal Year	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Advance Construct	Federal Cost (\$1000s)	Federal Fund Source	State Cost (\$1000s)	State Fund Source	Local Cost (\$1000s)	Local Fund Source	Total Phase Cost (\$1000s)	MDOT Job No.	Local ID No.	MPO/Rural Action Date	Amendment Type	Air Quality	Comments	Total Project Cost (\$1000s)
2015	Kalamazoo	Public Transit	Mobility Management	1/1/16-12/31/16		Transit operations	Continuation of Mobility Management Program formerly funded with New Freedom	T-Ops		45	5310	11	CTF			56			04/29/15	Add	E	New Project 4/29/15;	56
2016	Kalamazoo	MDOT	I-94 BL	at Howard Street intersection	0.56	Reconstruct	Reconstruct to install dual left turn lanes at the intersection	ROW		409	ST	79	M	11	City	500	101089		04/29/15	Add	E	CON Phase scheduled for 2018 with phase cost of \$10,784,000, New project 4/29/15;	11,953
2016	Kalamazoo	MDOT	I-94 BL	at Howard Street intersection	0.56	Reconstruct	Reconstruct to install dual left turn lanes at the intersection	PE		526	ST	102	M	15	City	643	101089		04/29/15	Add	E	CON Phase scheduled for 2018 with phase cost of \$10,784,000, New project 4/29/15;	11,953
2016	Kalamazoo	Public Transit	Vehicle Replacement	Demand Response		Transit capital	Up to two (2) Demadn Response Vehicle Replacements	T-Cap		25	STL	6	CTF			31			04/29/15	Add	E	Funded through Rural Set Aside, new project 4/29/15;	31
2018	Kalamazoo	MDOT	I-94-BL	at Howard Street intersection	0.56	Reconstruct	Reconstruct to install dual left turn lanes at the intersection	CON		8,827	ST	1,713	M	245	City	10,784	101089		04/29/15	Add	E	CON Phase scheduled for 2018, added to illustrative list , New project 4/29/15;	11,953
2015	Kalamazoo	MDOT	Kilgore / W I-94 Ramp	east of Lovers Lane to east of Portage Road in the cities of Kalamazoo and Portage, Kalamazoo County	1.16	Widen - major (capacity increase)	Roadway reconstruction and widening and interchange reconstruction	ROW		41	HPSL	8	M	1	CITY	50	105885		02/25/15	Cost	NE	Addition of Project 12/4/13; Change in FY from 2014 to 2015 11/19/14; Increase in total cost from \$500,002 to \$600,002 2/25/15; CON phase (FY 2020) programmed at \$29,781,300 (\$24,375,995 federal; \$5,030,710 state; \$374,595 local), Total Project Changed from \$600,002 to \$30,381,300 4/29/15	30,381
2015	Kalamazoo	MDOT	Kilgore / W I-94 Ramp	east of Lovers Lane to east of Portage Road in the cities of Kalamazoo and Portage, Kalamazoo County	1.16	Widen - major (capacity increase)	Roadway reconstruction and widening and interchange reconstruction	SUB		82	HPSL	16	M	2	CITY	100	105885		02/25/15	Cost	NE	Addition of Project 12/4/13; Change in FY from 2014 to 2015 11/19/14; Increase in total cost from \$500,002 to \$600,002 2/25/15; CON phase (FY 2020) programmed at \$29,781,300 (\$24,375,995 federal; \$5,030,710 state; \$374,595 local), Total Project Changed from \$600,002 to \$30,381,300 4/29/15	30,381
2015	Kalamazoo	MDOT	I-94	east of Portage Road to west of Sprinkle Road in the City of Kalamazoo, Kalamazoo County	1.20	Widen - major (capacity increase)	Road reconstruction and widening and reconstruction and widening of 2 railroad bridges and a large culvert	ROW		41	HPSL	8	M	1	CITY	50	105886		02/25/15	Cost	NE	Addition of Project 12/4/13; Change in FY from 2014 to 2015 11/19/14; Increase in total cost from \$500,002 to \$600,004 2/25/15; CON phase (FY 2020) programmed at \$31,082,200 (\$25,440,781 federal; \$5,278,843 state; \$362,576 local), Total Project cost change from \$600,004 to \$31,682,200 4/29/15;	600
2015	Kalamazoo	MDOT	I-94	east of Portage Road to west of Sprinkle Road in the City of Kalamazoo, Kalamazoo County	1.20	Widen - major (capacity increase)	Road reconstruction and widening and reconstruction and widening of 2 railroad bridges and a large culvert	SUB		82	HPSL	16	M	2	CITY	100	105886		02/25/15	Cost	NE	Addition of Project 12/4/13; Change in FY from 2014 to 2015 11/19/14; Increase in total cost from \$500,002 to \$600,004 2/25/15; CON phase (FY 2020) programmed at \$31,082,200 (\$25,440,781 federal; \$5,278,843 state; \$362,576 local), Total Project cost change from \$600,004 to \$31,682,200 4/29/15;	600
2015	Kalamazoo	MDOT	I-94 BL	east of Seneca to Michigan Avenue	2.76	Resurface	Resurface and repair roadway	ROW		16	NH	3	M	0	CITY	20	113129		11/19/14	Cost	E	Addition of project; Advance Construct Conversion in 2014 (\$8,185 NH Funds); Construct in 2016 6/29/11; Moved from FY 2013 11/28/12; Change in Primary Work Type from Reconstruct to Resurface 7/30/14; Limit change and addition of City share 9-24-14; correction in total project cost to \$2,781,271 and FY change from 2014 to 2015 11/19/14; Increase in RW costs, Decrease in Con and PE (FY2014) costs, 4/29/15	2,128
2016	Kalamazoo	KCRC	42nd St	Y Ave to W Ave	2.01	Reconstruct	Reconstruct	CON		738	STL				CNTY	1,045	120244		11/19/14	Cost	E	Kalamazoo County Road Commission; Additional funding from RTF, ST change from \$650,000 to \$712,805, Local Cost from \$280,000 to \$207,195 11/19/14; ST Change from \$712,805 to \$737,553, Local Match from \$207,195 to \$307,000 4/29/15;	1,045

Kalamazoo Area Transportation Study FY 2014 - 2017 Transportation Improvement Program

6/26/2013 (2/25/2015, 3/25/158)

Required Fields																							
Fiscal Year	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Advance Construct	Federal Cost (\$1000s)	Federal Fund Source	State Cost (\$1000s)	State Fund Source	Local Cost (\$1000s)	Local Fund Source	Total Phase Cost (\$1000s)	MDOT Job No.	Local ID No.	MPO/Rural Action Date	Amendment Type	Air Quality	Comments	Total Project Cost (\$1000s)
2016	Kalamazoo	MDOT	I-94 BL	East of Seneca Rd to Rambling Rd	2.76	Resurface	Resurface and repair roadway	GON									113129		11/19/14	Delete	E	Change in Primary Work Type from Reconstruct to Resurface, Change Fed cost from \$4526420 to \$1,841,625, Change State Cost from \$1,003,720 to \$408,375 7/30/14; Limit change, reduction in state share from \$408,375 and addition of City share 9/24/14; Correction in length of project to 2.762 11/19/14; Phase moved to FY 2018, deleted from TIP 4/29/15;	2,781
2016	Kalamazoo	MDOT	US-131	US-131 NB & SB over Amtrak & KL Avenue, 3.0 Miles north of I-94, Oshtemo Township, Kalamazoo County.	0.00	Bridge replacement	Deck Replacement	SUB		683	NH	152	M			835	122664		03/26/14	Year	E	Addition of Project 3/26/14; Admin change in total project cost from \$10,221,000 to \$10,181,000 on 10/28/14;	10,221

Proposed Changes to National Functional Classification (NCF) System

4/1/2015

Change to Minor Arterial

Street	Limits	Length (miles)	Traffic Count (year)	Previous Classification	Comments	Jurisdiction
Douglas Avenue	Kalamazoo to Business 131	1.42	4500-8500 (2014)	Principal Arterial	significant residential and low traffic volume	City of Kalamazoo/Road Commission of Kalamazoo County

Change to Major Collector

Street	Limits	Length (miles)	Traffic Count (year)	Previous Classification	Comments	Jurisdiction
Arboretum	Drake to Solon	1.244	3551 (2011)	Local	Limited access, connects 2 OPAs	City of Kalamazoo
Bronson	Whites to Crosstown	0.967	4775 (2014)	Minor Arterial	Primarily residential and low traffic volumes	City of Kalamzoo
Crosstown	Bronson to Howard	0.298	-	Minor Arterial	Low traffic volumes	City of Kalamzoo
Mills Street	Vine to Stockbridge		5662 (2013)	Minor Arterial	Primarily residential and low traffic volumes	City of Kalamzoo
Pitcher	Paterson to City Limit	0.471	2646 (2008)	Minor Arterial	Low traffic volumes (coord w/ KCRC)	City of Kalamzoo
Pitcher	City Limit to Mosel	0.547	1110 (2014)	Minor Arterial	Low traffic volumes (coord w/ KCRC)	City of Kalamzoo
Portage Road	Southtown to Michigan	0.432	3,273 (2013)	Principal Arterial	no longer functions as arterial	City of Kalamzoo
Stockbridge	Portage to Mills		6416 (2013)	Minor Arterial	Primarily residential and low traffic volumes	City of Kalamzoo
Walnut	Westnedge to Portage	0.709	5880(2005)	Local	Bronson has designated it a hospital route	City of Kalamzoo
South Westnedge Ave	Bacon to Osterhout	0.501	2708	Minor Arterial		City of Portage
P Ave	Urban Boundary to 28th St	2.25	7307	Minor Arterial		RC of Kalamazoo County

Change to Minor Collector

Street	Limits	Length (miles)	Traffic Count (year)	Previous Classification	Comments	Jurisdiction
Broadway	Parkview to Winchell	0.57	-	Major Collector	Primarily residential and low traffic volumes	City of Kalamzoo
Bronson	Kilgore to Whites	1.424	-	Major Collector	Primarily residential and low traffic volumes	City of Kalamzoo
Denway	Duke to Westnedge	0.282	-	Major Collector	Primarily residential and low traffic volumes	City of Kalamzoo
Duke	Kilgore to Whites	1.053	1775 (2013)	Major Collector	Primarily residential and low traffic volumes	City of Kalamzoo
Emerald	Cork to Miller	0.503	-	Major Collector		City of Kalamzoo
Humphry	Gull to City Limit	0.446	2863 (2013)	Major Collector		City of Kalamzoo
Lakeway	Portage to Moreland	0.134	-	Major Collector	All residential - traffic light at Portage	City of Kalamzoo
Millcork	Cork to Miller	0.525	-	Major Collector		City of Kalamzoo
Moreland	Lakeway to Cork	0.455	-	Major Collector	Pimarily residential	City of Kalamzoo
Pitcher	Sheldon to Southtown	0.461	-	Major Collector		City of Kalamzoo
Porter	Ransom to Paterson	0.44	970 (2008)	Minor Arterial	Low traffic volumes	City of Kalamzoo
Sheldon	Vine to Pitcher	0.057	-	Major Collector		City of Kalamzoo
Vanrick	Covington to Sprinkle	0.408	-	Local	Designated ACT 51 major, Wings Stadium	City of Kalamzoo
Vine	Davis to Westnedge	0.294	-	Local	Designated ACT 51 major	City of Kalamzoo
Water	Westnedge to Kalamazoo	0.621	-	Local	Designated ACT 51 major	City of Kalamzoo
Bacon Ave	S. Westnege to Portage Rd.	1.06	1933-2332	Major Collector		City of Portage
38th St	MN Ave to Miller Dr.	2.22	582	Major Collector		RC of Kalamazoo County

RESOLUTION

Supporting Application for Local Bridge Program Funds For 29th Street Bridge

Preventative Maintenance

WHEREAS, the 29th Street Bridge over Portage River in Brady Township, Kalamazoo County, Michigan, was constructed in 1962 as a concrete beam structure and due to its age is in a deteriorating condition; and

WHEREAS, the current deterioration places a risk on the longevity of the bridge, the service it provides and its value as an important transportation system asset; and

WHEREAS, the investment in rehabilitation will improve the condition of the bridge deck and bridge beams, avoiding more costly repairs in the near future; and

WHEREAS, Road Commission of Kalamazoo County staff has prepared an application for Local Bridge Program Funds to rehabilitate this structure; and

WHEREAS, the Kalamazoo Area Transportation Study Technical Committee has considered the application for Local Bridge Program Funds and supports the submission of the application for Local Bridge Program Funds for 2018.

NOW, THEREFORE, BE IT RESOLVED that the Kalamazoo Area Transportation Study Technical Committee supports the Road Commission of Kalamazoo County's application for Local Bridge Program Funds.

Date: April 9, 2015

Lawrence Hummel, Vice-Chairperson
Kalamazoo Area Transportation Study
Technical Committee

This resolution was supported by the Technical Committee with action taken at their April 9, 2015 meeting.

RESOLUTION

**Supporting Application for Local Bridge Program Funds
For
31st Street Bridge
Replacement**

WHEREAS, the 31st Street Bridge over Brown Creek in Brady Township, Kalamazoo County, Michigan, was constructed in 1962 as a timber structure and due to its age is in a deteriorating condition; and

WHEREAS, the current deterioration places a risk on the longevity of the bridge, the service it provides and its value as an important transportation system asset; and

WHEREAS, Road Commission of Kalamazoo County staff has prepared an application for Local Bridge Program Funds to replace this structure; and

WHEREAS, the Kalamazoo Area Transportation Study Technical Committee has considered the application for Local Bridge Program Funds and supports the submission of the application for Local Bridge Program Funds for 2018.

NOW, THEREFORE, BE IT RESOLVED that the Kalamazoo Area Transportation Study Technical Committee supports the Road Commission of Kalamazoo County's application for Local Bridge Program Funds.

Date: April 9, 2015

Lawrence Hummel, Vice-Chairperson
Kalamazoo Area Transportation Study
Technical Committee

This resolution was supported by the Technical Committee with action taken at their April 9, 2015 meeting.

RESOLUTION

**Supporting Application for Local Bridge Program Funds
For
36th Street Bridge
Replacement**

WHEREAS, the 36th Street Bridge over Dorrance Creek in Climax Township, Kalamazoo County, Michigan, was constructed in 1953 and due to its age is in a deteriorating condition; is subject to weight restrictions; and

WHEREAS, these deficiencies places a risk on the longevity of the bridge, impair the movement of commercial traffic, and the accomplishment of agricultural activities; and

WHEREAS, Road Commission of Kalamazoo County staff has prepared an application for Local Bridge Program Funds to replace this structure; and

WHEREAS, the Kalamazoo Area Transportation Study Technical Committee has considered the application for Local Bridge Program Funds and supports the submission of the application for Local Bridge Program Funds for 2018.

NOW, THEREFORE, BE IT RESOLVED that the Kalamazoo Area Transportation Study Technical Committee supports the Road Commission of Kalamazoo County's application for Local Bridge Program Funds.

Date: April 9, 2015

Lawrence Hummel, Vice-Chairperson
Kalamazoo Area Transportation Study
Technical Committee

This resolution was supported by the Technical Committee with action taken at their April 9, 2015 meeting.

RESOLUTION

**Supporting Application for Local Bridge Program Funds
For
Ravine Road Bridge
Replacement**

WHEREAS, the Ravine Road Bridge over Ranson Drain in Alamo Township, Kalamazoo County, Michigan, was constructed as a multiple pipe structure in 1979 and due to its age is in a deteriorating condition; and

WHEREAS, the current deterioration places a risk on the longevity of the bridge, the service it provides and its value as an important transportation system asset; and

WHEREAS, Road Commission of Kalamazoo County staff has prepared an application for Local Bridge Program Funds to replace this structure; and

WHEREAS, the Kalamazoo Area Transportation Study Technical Committee has considered the application for Local Bridge Program Funds and supports the submission of the application for Local Bridge Program Funds for 2018.

NOW, THEREFORE, BE IT RESOLVED that the Kalamazoo Area Transportation Study Technical Committee supports the Road Commission of Kalamazoo County's application for Local Bridge Program Funds.

Date: April 9, 2015

Lawrence Hummel, Vice-Chairperson
Kalamazoo Area Transportation Study
Technical Committee

This resolution was supported by the Technical Committee with action taken at their April 9, 2015 meeting.

RESOLUTION

**Supporting Application for Local Bridge Program Funds
For
Y Avenue Bridge
Replacement**

WHEREAS, the Y Avenue Bridge over Portage Creek in Brady Township, Kalamazoo County, Michigan, was constructed in 1972 as a timber structure that due to its age is in a deteriorating condition; is subject to weight restrictions; and

WHEREAS, these deficiencies places a risk on the longevity of the bridge, impair the movement of commercial traffic, and the accomplishment of agricultural activities; and

WHEREAS, Road Commission of Kalamazoo County staff has prepared an application for Local Bridge Program Funds to replace this structure; and

WHEREAS, the Kalamazoo Area Transportation Study Technical Committee has considered the application for Local Bridge Program Funds and supports the submission of the application for Local Bridge Program Funds for 2018.

NOW, THEREFORE, BE IT RESOLVED that the Kalamazoo Area Transportation Study Technical Committee supports the Road Commission of Kalamazoo County's application for Local Bridge Program Funds.

Date: April 9, 2015

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Technical Committee

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2045 Metropolitan Transportation Plan (MTP)

Transportation Survey Summary

Question 1: In your opinion, what's is the biggest transportation issue facing the Kalamazoo area?
Responses: 286; Responses consisted of **286 individual comments**. Comments are available at www.katsmpo.org.

Numerous comments and statements identified more than one transportation issue. Key themes were the current state of road conditions, limited (or lack of) public transit services, lack of non-motorized facilities (bike lanes and sidewalks), lack of connections between non-motorized facilities, transportation funding, and safety concerns.

Key Words Used:			
Bike/Bicycle	79		Access 27
Public Transportation / Bus	74		Funding/Money 20
Safety	46		Non-motorized 17
Road Conditions/Repair/Potholes/Fix	46		Connections 8
Pedestrian / Walkability	38		Congestion 7

Question 2: How would you rate each of the following aspects of the transportation system in your community? Please rate each aspect based on the following scale: Excellent, Good, Fair, Poor, or Don't Know/No Response. **Responses:** 286

Answer Options and Response	Excellent	Good	Fair	Poor	Very Poor	% Ranked Poor or Very Poor
Condition of major streets and highways	0	44	117	89	34	43.01%
Congestion levels on major streets during peak time	9	77	116	60	18	27.27%
Neighborhood traffic safety	14	111	104	32	9	14.34%
Availability of public transit	10	79	106	50	18	23.78%
Availability of bike paths/lanes	12	48	79	96	40	47.55%
Traffic safety and controls on major streets	10	129	100	30	10	13.99%
Sidewalks and crosswalk areas	8	71	115	65	16	28.32%

Question 3: Please rank the relative level of importance you would give each of the following on a scale of 1 to 5, with 1 being "High Importance" and 5 being "Low Importance." (Please rank in order of importance by selecting each number 1-5 only once) **Responses:** 251 **Skipped Question:** 35

Answer Options and Responses	High 1	2	3	4	Low 5
Completing missing portion of the sidewalk system along major streets	82	57	43	38	31
Widening shoulders or adding bike lanes on roadways to accommodate "on-road" bicycling	80	42	53	37	39
More recreational biking trails linking communities, parks and open spaces	20	48	53	70	60
Building more dedicated "off-road" paths for walking and biking	29	35	55	67	65
Enhancing the safety of crosswalks across major streets	40	69	47	39	56

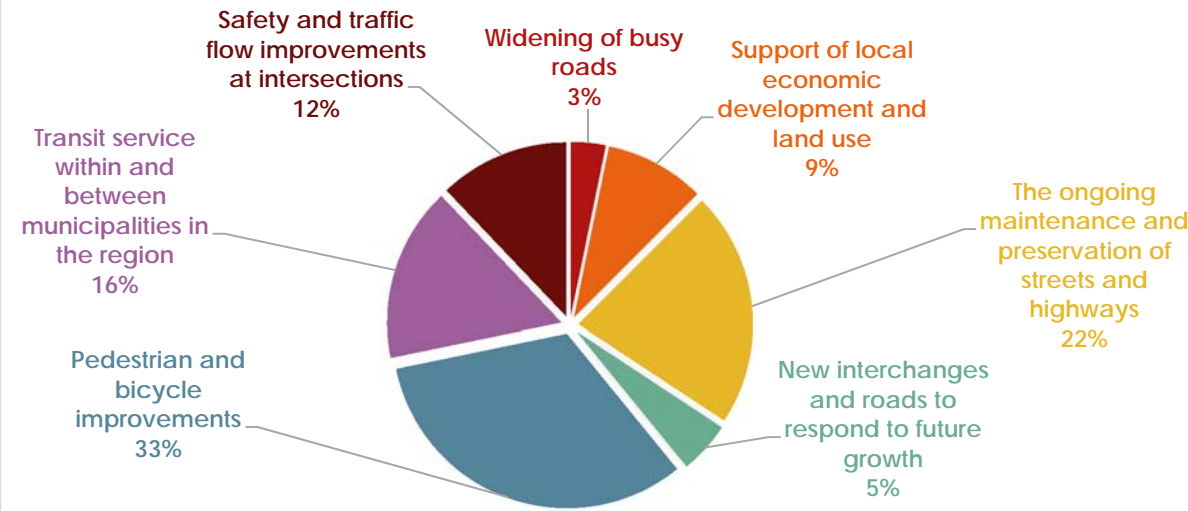
Question 4: Please rank the relative level of importance you would give each of the following on a scale of 1 to 5 with 1 being "High Importance" and 5 being "Low Importance." (Please rank in order of importance by selecting each number 1-5 only once). **Responses:** 251 **Skipped Question:** 35

Answer Options and Responses	High 1	2	3	4	Low 5
The condition and smoothness of roadway pavements	73	74	38	45	21
The level of traffic flow and congestion	24	39	49	63	76
Designing and constructing to accommodate all users of all modes of transportation (Walking, biking, other)	122	29	29	18	53
Adequate lane and shoulder widths with turn lanes at all major intersections	12	58	85	65	31
Sufficient sight distance to detect a hazard in a roadway to allow for safe maneuvering	20	51	50	60	70

Question 5: Please rank the relative level of importance you would give each of the following on a scale of 1 to 6 with 1 being "High Importance" and 6 being "Low Importance." (Please rank in order of importance by selecting each number 1-6 only once). **Responses:** 241 **Skipped Question:** 45

Answer Options and Responses	High 1	2	3	4	5	Low 6
Developing and maintaining adequate public transportation (buses, bus stops, routing, other)	49	62	48	32	34	16
Bikeway construction on roads and greenways	66	39	33	31	42	30
Widening and building of major streets and highways	6	20	36	38	44	97
Improving condition of roadways (fix potholes, resurface, better signage, other)	84	64	51	23	15	4
Improving street aesthetics (street trees, street lighting, planted medians, other)	13	20	32	49	61	66
Improving traffic flow (control number of driveways, medians, coordinated signals, other)	23	36	41	68	45	28

Question 6: Please rank the relative level of importance you would give each of the following on a scale of 1 to 7 with 1 being "High Importance" and 7 being "Low Importance." (Please rank in order of importance by selecting each number 1-7 only once) **Responses:** 241 **Skipped Question:** 45



Answer Options and Responses	High 1	2	3	4	5	6	Low 7
Planning for widening of busy roads	8	18	24	21	34	57	79
Planning in support of local economic development and land use	23	34	42	41	45	24	32
Planning for the ongoing maintenance and preservation of streets and highways	54	50	43	48	23	17	6
Planning for new interchanges and roads to respond to future growth	12	13	25	28	52	62	49
Planning for pedestrian and bicycle improvements	81	35	32	26	13	25	29
Planning for transit service within and between municipalities in the region	40	60	27	32	24	33	25
Planning for safety and traffic flow improvements at intersections	30	34	53	42	46	20	16

Question 7: Please rank the relative level of importance you would give each of the following on a scale of 1 to 5 with 1 being "High Importance" and 5 being "Low Importance." (Please rank in order of importance by selecting each number 1-5 only once) **Responses:** 238 **Skipped Question:** 48

Answer Options and Responses	High 1	2	3	4	Low 5
Increase the gas tax to do more transportation projects	94	46	45	34	19
Charging new developers for the full cost of needed transportation improvements to address traffic growth	75	65	44	36	18
Funding the maintenance of roads with a utility fee (tolls on roads)	24	30	41	46	97
Using government bonds (borrowing) to fund high priority transportation projects	22	45	54	61	56
Funding the maintenance of roads with a local millage (higher property tax)	23	52	54	61	48

Question 8: In your opinion, what is the most important improvement that can be made to our transportation system in the next 0-5 years (Short Term)? **Responses:** 234 **Skipped Question:** 52; Responses consisted of **234 individual comments**. Comments are available at www.katsmpo.org.

Question 9: In your opinion, what is the most important improvement that can be made to our transportation system in the next 5 to 25 years (Long Term)? **Responses:** 234 **Skipped Question:** 52; Responses consisted of **234 individual comments**. Comments are available at www.katsmpo.org.

Question 10: How frequently do you use each of the following modes of transportation? **Responses:** 234 **Skipped Question:** 52

Answer Options and Responses	% Used Frequently	Frequently	Occasionally	Rarely	Never
Personal motor vehicle	89.74%	210	14	9	1
Buses and/or demand response transit	5.56%	13	33	83	105
Bicycle	38.46%	90	64	49	31
Walking	48.93%	114	91	21	7
Rail (Amtrak)	1.32%	3	68	102	55

Responses for Other: 16; Plane (5), Carpool (4), Car Service or Company Vehicle (2), Scooter (1), Skateboard (2), Rollerblading (1). (Some specified more than 1 choice in the response. 2 Responses did not pertain to mode of transportation used by the person taking the survey.)