
**JACKSON AREA COMPREHENSIVE TRANSPORTATION STUDY (JACTS)
TECHNICAL ADVISORY COMMITTEE**

**FOR FURTHER INFORMATION
CONTACT:**

**Steven Duke, Executive Director
Aaron Dawson, Senior Planner
Region 2 Planning Commission
(517) 788-4426**

DATE: Tuesday, February 14, 2017

TIME: 9:30 A.M.

**PLACE: Jackson City Hall
161 W. Michigan Ave-10th Floor
Jackson, MI 49201**

A G E N D A

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

1. Call to Order / Introductions
2. Public Comment
3. Approve Minutes of the Technical Advisory Committee Meeting of January 10, 2017 and Receive the Minutes of the Policy Committee Meeting of January 19, 2017 (enclosed) – **ACTION**
4. Agency Status Reports (see enclosures) – **DISCUSSION**
 - City of Jackson
 - Jackson Area Transportation Authority
 - Jackson County Department of Transportation
 - Michigan Department of Transportation
 - Jackson County Airport-Reynolds Field
 - Enterprise Group (<http://www.enterprisegroup.org>)
5. Approval of Amendments to the JACTS FY 2017-2020 Transportation Improvement Program (TIP) (see enclosures) – **ACTION**
 - Jackson Area Transportation Authority
 - MDOT
6. Update on the FY 2017 W. Michigan Avenue Reconstruction Project, MDOT-Jackson TSC – **DISCUSSION**
7. Final Report - I-94 Context Sensitive Solutions (CSS) Study, MDOT-Jackson TSC - **PRESENTATION**
8. Other Business
 - FHWA Update
 - MDOT Update – FY 2020 Local Bridge Program – Call for Projects (enclosure)
 - Jackson County Rural Task Force meeting
9. Public Comment
10. Adjournment

MINUTES

JACTS TECHNICAL ADVISORY COMMITTEE

Jackson City Hall
161 W. Michigan Avenue - 10th Floor
Jackson, Michigan 49201

Tuesday, January 10, 2017

Members Present: Angela Kline, Vice-Chair, Jackson County Dept. of Transportation
Jon Dowling, Chair, City of Jackson – Engineering
Troy White, City of Jackson – Engineering
Michael Brown, Jackson Area Transit Authority
Mike Rand, Jackson County Dept. of Transportation
Jack Ripstra, Blackman Charter Township
Todd Knepper, City of Jackson Public Works
Steve Duke, Region 2 Planning Commission
Bob Griffis, Jackson County Dept. of Transportation
Rick Fowler, MDOT- Lansing

Members Absent: Andrea Dewey, FHWA (Ex-officio)
Kari Martin, MDOT – University Region
Amy Torres, The Enterprise Group
Kent Maurer, Jackson County Airport – Reynolds Field

Others Present: Lane Masoud, Jackson Area Transit Authority
Tyler Kent, MDOT Urban Travel Analysis
Don Mayle, MDOT Urban Travel Analysis
Laurel Muldin, Walkable Communities
Oliver Lindsay, Citizen

ITEM 1 **CALL TO ORDER**

Chair Dowling called the meeting to order at 9:35 AM.

ITEM 2 **PUBLIC COMMENT**

Chair Dowling asked if anyone from the public wished to address the Committee. No public comments were received.

ITEM 3 **ELECTION OF OFFICERS FOR 2017**

Mr. Duke explained the JACTS Technical Advisory Committee officers for 2016 were Chair Jon Dowling and Vice-Chair Angela Kline.

A motion was made by Mr. Knepper, supported by Mr. Rand, to retain the current slate of officers for 2017. The motion carried unanimously.

JACTS TECHNICAL ADVISORY COMMITTEE
January 10, 2017
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ITEM 4 **APPROVE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE**
MEETING OF DECEMBER 13, 2016 AND RECEIVE THE POLICY
COMMITTEE MINUTES OF DECEMBER 15, 2016

A motion was made by Mr. Ripstra, supported by Mr. Rand, to approve the Technical Advisory Committee meeting minutes of December 13, 2016 and receive the Policy Committee meeting minutes of December 15, 2016. The motion passed unanimously.

ITEM 5 **AGENCY STATUS REPORTS**

Project status updates were presented by the City of Jackson, Jackson Area Transportation Authority, Jackson County Department of Transportation, Jackson County Airport-Reynolds Field, and the Enterprise Group. The report from the Michigan Department of Transportation will be emailed later to the Committee members.

ITEM 6 **APPROVAL OF AMENDMENTS TO THE JACTS FY 2017-2020**
TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Mr. Duke reported that the Jackson Area Transportation Authority (JATA) and the Michigan Department of Transportation (MDOT) were requesting amendments to the JACTS FY 2017-2020 Transportation Improvement Program (TIP). The proposed amendments are as follows:

The Jackson Area Transportation Authority (JATA) is requesting the Region 2 Planning Commission approve an administrative modification to JATA's FY 2017 Section 5307 funds to add a total of \$7,187.65 (\$5,204 in federal funding combined with \$1,983.65 in state match). This funding was previously allocated to a 2016 replacement van purchase that was under budget. This modification will allow JATA to use the remaining funding from that grant to purchase snow tires for our demand response vehicles.

Current funding:

Fiscal Year	Limits	Project Description	Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Local Fund Source	Total Phase Cost	MPO/Rural Action Date
2017	County-wide	Transit operating funds	T-Ops	1,213,000	5307	1,596,000	CTF	1,797,000	TRAL	4,606,000	7/14/16

JACTS TECHNICAL ADVISORY COMMITTEE
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Proposed funding:

Fiscal Year	Limits	Project Description	Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Local Fund Source	Total Phase Cost	MPO/Rural Action Date
2017	County-wide	Transit operating funds	T-Ops	1,218,204	5307	1,597,984	CTF	1,797,000	TRAL	4,613,188	1/12/17

The Michigan Department of Transportation (MDOT) proposed amendments are as follows:

Fiscal Year	Project Name	Limits	Project Description	Funding
2017 JN 132972	US-127	N. of Henry Road to Jackson/Ingham Co line.	Consultant Road Scoping	Early Preliminary Engineering State: \$25,000
2017	M-60	Emerson Rd to Renfrew Rd	HMA cold milling and 2 course HMA resurfacing with minor drainage improvements, guardrail upgrade, intersection improvements, and signal modernization.	Right of Way State: \$ 200,000 Change in funding source from ST to M Funds

The motion was made by Ms. Kline, supported by Mr. Ripstra, to approve the JATA and MDOT proposed amendments to the JACTS FY 2017-2020 TIP as presented. The motion carried unanimously.

ITEM 7 **OTHER BUSINESS**

Mr. Tyler, MDOT, gave a brief update on the status of the Jackson travel demand model. He also reported on the progress to update the base year (2014) socio-economic data and initiating work on the projected 2045 socio-economic data.

ITEM 8 **PUBLIC COMMENT**

Chair Dowling asked if anyone from the public wished to address the Committee. No public comments were offered.

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ITEM 9 **ADJOURNMENT**

There being no further business, Chair Dowling adjourned the meeting at 10:05 AM

Steve Duke, Executive Director

Region 2 Planning Commission



Jackson Area Comprehensive Transportation Study

MINUTES

JACTS POLICY COMMITTEE

Jackson County Tower Building
120 W. Michigan Avenue – 5th Floor
Jackson, Michigan

Thursday, January 19, 2017

Members Present: Mike Brown (Alt.), Jackson Area Transportation Authority
Mike Overton, Jackson County Department of Transportation
Dave Herlein, Spring Arbor Township
Pete Jancek, Vice-Chair, Blackman Charter Township
Steve Shotwell, Chair, Jackson County Board of Commissioners
Tom Davis (Alt.), Jackson County Airport-Reynolds Field
Jon Dowling, JACTS Technical Advisory Committee
Keith Acker, Sandstone Charter Township
Rick Fowler (Alt.), MDOT – Lansing

Members Absent: Bill Jors, Mayor, City of Jackson
Patrick Burtch, City of Jackson
Elwin Johnson, Region 2 Planning Commission
Kim Gamez, Napoleon Township
Howard Linnabary, Leoni Township
Mike Trudell, Summit Township

Others Present: Steve Duke, Region 2 Planning Commission
Chris Gulock, MDOT – University Region
Angie Kline, Jackson County Department of Transportation

ITEM 1 CALL TO ORDER

Chair Shotwell called the meeting to order at 8:08 AM. A quorum was present.

ITEM 2 PUBLIC COMMENT

No public comments were received.

JACTS POLICY COMMITTEE MINUTES

January 19, 2017

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ITEM 3 ELECTION OF OFFICERS

A motion was made by Mr. Acker, supported by Mr. Herlein, to close nominations and cast a unanimous ballot to retain the current Policy Committee officers (Chair Shotwell, Vice-Chair Jancek) for 2017. The motion carried unanimously

ITEM 4 APPROVE MINUTES OF THE POLICY COMMITTEE MEETING OF DECEMBER 15, 2016 AND RECEIVE THE TECHNICAL ADVISORY COMMITTEE MEETING MINUTES OF DECEMBER 13, 2016

The motion was made by Mr. Jancek, supported by Mr. Fowler, to approve the Policy Committee meeting minutes of December 15, 2016 and to receive the Technical Advisory Committee meeting minutes of December 13, 2016. The motion carried unanimously.

ITEM 5 AGENCY STATUS REPORTS

Project status updates were reviewed by the City of Jackson, Jackson Area Transportation Authority, Jackson County Department of Transportation, Michigan Department of Transportation, and Jackson County Airport – Reynolds Field. A link to the Enterprise Group's report was listed on the agenda.

ITEM 6 APPROVAL OF AMENDMENTS TO THE JACTS FY 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Chair Shotwell explained that included in the agenda packet were requests from the Jackson Area Transportation Authority (JATA) and the Michigan Department of Transportation (MDOT) to amend the JACTS FY 2017-2020 Transportation Improvement Program (TIP). The proposed amendments are as follows:

The Jackson Area Transportation Authority (JATA) is requesting the Region 2 Planning Commission approve an administrative modification to JATA's FY 2017 Section 5307 funds to add a total of \$7,187.65 (\$5,204 in federal funding combined with \$1,983.65 in state match). This funding was previously allocated to a 2016 replacement van purchase that was under budget. This modification will allow JATA to use the remaining funding from that grant to purchase snow tires for our demand response vehicles.

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Proposed funding:

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The motion was made by Mr. Jancek, supported by Mr. Herlein, to approve the JATA and MDOT proposed amendments to the JACTS FY 2017-2020 TIP as presented. The motion carried unanimously.

ITEM 7 OTHER BUSINESS

Mr. Duke announced that the R2PC Senior Transportation Planner, Aaron Dawson, has accepted a new position with the Federal Highway Administration. He will begin the process of advertising for a new transportation planner shortly, as well as seeking an assistant planner to assume Ms. Richardson's responsibilities as she plans to retire in June, 2017.

The Jackson County Rural Task Force meeting will be held at the JCDOT offices on February 7th.

ITEM 8 PUBLIC COMMENT

Mr. Acker questioned as to what agency was responsible for repairing the local roads in Sandstone Township damaged by truck traffic during the airport's landfill project.

JACTS POLICY COMMITTEE MINUTES

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Chair Shotwell reported that JCDOT has been awarded local bridge funding from MDOT to replace the Moon Lake Road bridge in FY 2019. JCDOT is working with MDOT officials to try and advance the project to FY 2018.

A brief discussion followed regarding the timing of the Detroit to Chicago high speed rail project.

ITEM 9 ADJOURNMENT

There being no further business, Chair Shotwell adjourned the meeting at 8:54 AM.

Steve Duke
Executive Director

TO: JACTS Technical Advisory and Policy Committees

DATE: February 06, 2017

FROM: Jon H. Dowling, P.E.

SUBJECT: TIP Project Status

2017

Kibby Road: City Limits to West Ave (Urban) - Reconstruct pavement on south side of boulevard islands, roundabout at Denton and non-motorized path from City limits to Denton. MSG is the City's consultant. **The project is now scheduled to be in the April, 2017 letting.**

2018

Fourth Street: Horton to Audubon (Urban) – Roadway resurfacing with a new roundabout at Hickory and Fourth. MSG is the City's consultant. Survey is complete. **Design has commenced.**

2019

Francis Street: Morrell to Mason (Urban) – Reconstruct roadway. No design work at this time.

2020

Greenwood/Wilkins Streets: Morrell to Jackson (Urban) – Reconstruct roadway. No design work at this time.



2350 EAST HIGH STREET

JACKSON, MICHIGAN 49203-3490

(517) 787-8363 FAX (517) 787-6833

**Projects
2017-2020 TIP
(February, 2017 Report)**

FY2017

1. Vehicle procurements

- a. Bus Replacement (2 full-size) Start in early 2017**

FY2018

1. Facility Upgrades

- a. HVAC in non-admin areas of main facility**

2. Vehicle Procurements

- a. (2) small buses eligible for replacement**

FY2019

1. Facility Upgrades

- a. Admin office rehab and update**

FY2020

1. Facility Upgrades

- a. Replace paint booth in maintenance**

2. Vehicle Procurements

- a. (2) small buses eligible for replacement**



Christopher J. Bolt, MPA, PE
Managing Director

Robert D. Griffis
Director of Operations

Angela N. Kline, PE
Director of Engineering

Shawn R. Surque
Project Manager

Dawn Goodwine
Administrative Services Manager

February 6, 2017

TIP Project Status

2017 Projects – We are working on preparing the designs and submittals for the federal aid projects for the 2017 construction season:

- Robinson Road (Spring Arbor to Kibby Road)- April letting
- East Michigan Avenue under the railroad viaduct- amendment at the RTF meeting February 7, 2017.
- Berry Road (Rives Eaton Road to Lansing Road) - chip seal and fog- GI on February 9, 2017.
- Rives Eaton Road (Perrine Road to Lansing Road) - chip seal and fog- GI on February 9, 2017.
- West Michigan Ave (Glasgow Road through Parma Village) - chip seal and fog- GI on February 9, 2017.
- Rives Junction Road non-motorized Trail- from M-50 to the north township line- Getting prices for design help.
- Pedestrian Signals @ Airport Road/ Springport Road/ County Far Road- pedestrian signals and ADA ramps- survey complete, working on getting prices for design.
- Coats Road reconstruct- from Moscow Road to the east 1000'- Plan to submit GI package by February 20, 2017.
- Ann Arbor Road non-motorized Trail- Plan to submit GI package by February 20, 2017.
- Michigan Ave Bridge- Amtrak is expected to have the agreement for this project back to us by Wednesday February 8, 2017. Upon receipt they said we have some information to fill in. Once we fill in the information we are to send it back to them for their attorney to create a PDF for our Board approval. They will email us the PDF for submittal to our board for approval. Upon board approval it is a 7-14 day process for Amtrak to obtain necessary approvals. After Amtrak approves the agreement we will proceed with the MDOT submittal process.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

KIRK T. STEUDLE
DIRECTOR

February 14, 2017

FY 2016

M-60 (EB & WB OV I-94), (PE, SUB & ROW) – Bridge Replacement

Project scope is under development. Plan development is just getting started.

FY 2017

I-94 BL/W. Michigan Ave. (Brown St. to Washington / Louis Glick) – Full concrete pavement roadway reconstruction with water main, lighting and sidewalk replacement. Also includes City of Jackson initiated two-way conversion of Louis Glick Hwy. and Washington. Continuing to work on plan development. Right-of-Way acquisition is underway. March 2017 letting. Project is advertised for the March 2017 letting.

M-50 (Rives Junction to Pope Church Road) – Micro-surface of existing roadway pavement. Design work to begin later this year. This project will be Rives Junction to M-99 (at the county line). Project was let last month. Work is scheduled to begin toward the end of June 2017, with completion in early September 2017.

I-94 BL (Cooper Street to Dwight Street) – Single course mill and resurfacing with ADA sidewalk ramp improvements. Design work to begin later this year. Project is advertised for the March 2017 letting.

M-106 (Bunker Hill to East of Sayers Road) – Single course mill and resurfacing. Design work to begin later this year. Project was let in December. Work is scheduled to begin in mid-June 2017, with completion in mid-August 2017.

M-50/US-127 BR (North Street to Boardman) – Longitudinal joint repair with asphalt mastic and micro-surface materials. Design work to begin later this year. Project is advertised for the March 2017 letting.

I-94 (M-60 to Calhoun County Line) – Concrete patching. Design work to begin later this year. Project was let in October. Work is scheduled to begin in early May 2017, with completion in early August 2017.

US-127 (Henry Rd. to M-36) – Single course mill and resurfacing. Design by the Lansing TSC. Project will probably include pavement enhancement test section. Project is advertised for the March 2017 letting.

M-99 (Railroad St. to Jackson/Eaton County line) – Fiber Reinforced Bit Membrane with Micro-Surface Project was let in February 3rd. Work is scheduled to begin in late July 2017, with completion in late September 2017.

M-50 (US-127 to Napoleon Rd.) – Two Course Mill and Resurface Project was let in August 2016. Construction will begin in the spring of 2017.

US-127 (N. of Henry Rd to JCL) - Consultant Road Scoping – This is a new road scoping project for a major rehabilitation on US-127 (north) in Jackson County. The scope of work will be available for the 2023 Call for Projects.

I-94BL / M-106 (M-106 (Cooper Street) and I-94BL (Michigan Ave.) - RR crossing signal upgrades for 2-way conversion. – This is a new force account job number that has been added for the railroad work required for the 2-way conversion. It is part of the 113565/128046 package.

M-60 (Emerson Rd to Renfrew Rd) - HMA cold milling and 2 course HMA resurfacing with minor drainage improvements, guardrail upgrade, intersection improvements, and signal modernization. ROW – this is the remaining section of M-60 that was delayed this past summer due to funding. Plan development is currently underway.



Jackson County Airport – Reynolds Field

Flying Jackson Forward!

Kent L. Maurer, Airport Manager

JACTS Airport Report February 2017

- Phase II (Final) construction: six bids received and the low bidder is Hoffman Bros. of Battle Creek, MI at \$10.5 million dollars, just under the engineer's estimate. The high bid was \$13.4 million.
- Phase II total construction cost is \$12 million and includes Contract Administration and contingency expenses. The start date is April 3, 2017. This project is a single project with two funding phases. \$7.8 million in 2016 FAA/MDOT Funds is available now. \$4.1 million in 2017 FAA/MDOT funding is available later this year when the FAA releases it.
- Phase II construction will permanently close Runway 6-24 in the first week of May, 2017 & replacement runway 7-25 is scheduled to be open in August of 2017.
- Additional residential tree clearing on Herbert J street will occur as soon as the weather cooperates.



Future Runway 7-25 graphically represented – does not show parallel taxiway that will be full length and south of the runway.

Memorandum



To: Steve Duke

From: Lane Masoud

Date: January 27, 2017

Subject: Request for Amendment to JATA's 5339 Capital Funds

The Jackson Area Transportation Authority (JATA) is requesting the Region 2 Planning Commission approve an amendment to the Transportation Improvement Program to adjust JATA's FY 2017 Section 5339 funds to allow for the purchase of a new radio system. JATA would like to reduce its original request of \$800,000 for the replacement of two full-sized buses by \$40,000.00 (\$32,000.00 in federal funding plus \$8,000.00 in state match) and reallocate that towards the replacement of its aging radio system. JATA is confident that the total cost of two full-sized buses will not exceed \$760,000. This change would greatly improve the overall safety and security of JATA's system.

Current funding:

Fiscal Year	Limits	Project Description	Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Total Phase Cost	MPO/ Rural Action Date
2017	Urbanized Area	Replace 2 full-sized buses	T-Cap	\$640,000	5339	\$160,000	CTF	\$800,000	7/14/16

Proposed funding:

Fiscal Year	Limits	Project Description	Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Total Phase Cost	MPO/ Rural Action Date
2017	Urbanized Area	Replace 2 full-sized buses	T-Cap	\$608,000	5339	\$152,000	CTF	\$760,000	
2017	County-wide	Replace radio system	T-Cap	\$32,000	5339	\$8,000	CTF	\$40,000	



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

KIRK T. STEUDLE
DIRECTOR

February 3, 2017

Mr. Steve Duke, Executive Director
Region 2 Planning Commission
Jackson County Tower Building
120 W. Michigan Avenue, 9th Floor
Jackson, Michigan 49201

Dear Mr. Duke:

This letter is sent by the Michigan Department of Transportation (MDOT) to request amendments to the FY 2017-20 Transportation Improvement Program (TIP).

The MDOT TIP amendments are detailed below.

Fiscal Year	Project Name	Limits	Project Description	Funding	Comments
2017 JN 129153	I-94	I-94 at Elm Rd.	Reconstruct Interchange	SUB Federal: \$452,487 (IM) State: \$50,276 (M)	Move from 2017 TIP to 2019 TIP
2017 JN 129153	I-94	I-94 at Elm Rd.	Reconstruct Interchange	PE Federal: \$1,325,147 (IM) State: \$147,238 (M)	Move from 2017 TIP to 2019 TIP
2018 JN 127537	M-60	EB and WB over I-94	Bridge Replacement	ROW Federal: \$3,402 (IM) State: \$378 (M)	Add
2018 JN 132577	M-99	I-94 to Willow St.	Resurface – single chip seal with fog seal	CON Federal: \$736,656 (ST) State: \$163,351 (M) GPA	Add
2018 JN 132577	M-99	I-94 to Willow St.	Resurface – single chip seal with fog seal	PE Federal: \$54,567 (ST) State: \$12,100 (M) GPA	Add
2018 JN 132528	M-124	US-12 to M-50	Resurface – single course mill and resurface	CON Federal: \$1,729,613 (ST) State: \$383,537 (M) GPA	Add

2018 JN 132528	M-124	US-12 to M-50	Resurface – single course mill and resurface	PE Federal: \$128,120 (ST) State: \$28,410 (M) GPA	Add
2018 JN 132562	M-60	Spring Arbor Rd to I-94	Resurface – single course mill and resurface	CON Federal: \$1,366,531 (NH) State: \$303,024 (M) GPA	Add
2018 JN 132562	M-60	Spring Arbor Rd to I-94	Resurface – single course mill and resurface	PE Federal: \$18,979 (NH) State: \$ 4,209 (M) GPA	Add
2018 JN 132575	M-50/US- 127BR	Washing- ton Ave. to South St.	Concrete pavement repair	CON Federal: \$783,214 (NH) State: \$173,676 (M) GPA	Add
2018 JN 132575	M-50/US- 127BR	Washing- ton Ave. to South St.	Concrete pavement repair	PE Federal: \$18,130 (NH) State: \$4,020 (M) GPA	Add
2020 JN 127537	M-60	EB and WB over I-94	Bridge Replacement	CON Federal: \$12,858,366 (IM) State: \$1,428,707 (M)	Add
2020 JN 129153	I-94	I-94 at Elm Rd.	Reconstruct Interchange	ROW Federal: \$360,000 (IM) State: \$40,000 (M)	Add

Thank you for your attention to this request. If you have any questions or need additional information, please contact me at 517-750-0405.

Sincerely,



Christopher Gulock, Transportation Planner
University Region



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

KIRK T. STEUDLE
DIRECTOR

February 6, 2017

Ms. Denise Donohue, Director
County Road Association of Michigan
417 Seymour, Suite One
Lansing, Michigan 48933

Mr. John LaMacchia II, Assistant Director,
State and Federal Affairs
Michigan Municipal League
208 North Capitol Avenue, First Floor
Lansing, Michigan 48933-1354

Dear Ms. Donohue and Mr. LaMacchia:

Local Bridge Program
Deadline for Applications – May 1, 2017

The Michigan Department of Transportation is pleased to announce the solicitation of applications for candidate projects for the Local Bridge Program. Selected projects will be funded during the 2020 fiscal year (FY). Do not submit projects which cannot be committed to construction within FY 2020. The applications can be submitted by the local agency owner or their consultant. All bridge applications submitted in previous years that have not been selected for funding have been discarded. The total number of applications from any one local agency is limited to five.

The FY 2020 Local Bridge Program budget is estimated at \$48 million. This amount may be subject to revisions. We are asking the County Road Association of Michigan and the Michigan Municipal League to distribute this notice to their member agencies.

Applications are to be electronically submitted or postmarked by Monday, May 1, 2017.

Refer to the enclosed Exhibits for information regarding eligibility and submitting candidate Local Bridge Project Applications.

If you have any questions or need further information, please contact Keith Cooper, Bridge Program Manager, at 517-373-2346 or at cooperk@michigan.gov.

Sincerely,

Matthew W. DeLong, Administrator
Development Services Division

Enclosures

Exhibit 1 – Bridge Definition and Application Process

Definition

To be eligible for bridge funds, the structure must meet the definition of a bridge, defined as a structure with a total clear span of more than 20 feet, measured along the centerline of the roadway over a stream, watercourse, or opening. For a span bridge, this means the clear opening span, measured face to face at the inside of the abutments, is greater than 20 feet. A multi-unit culvert is considered a bridge if the total length, as measured along the centerline of the roadway, is greater than 20 feet and the distance between the culvert units is less than half the diameter of the smallest unit. This description is referenced in item number 112 of the Michigan Structure Inventory and Appraisal Coding Guide. There are many multi-unit culverts under local agency jurisdiction that qualify as bridges and thus, are required to be on the structure inventory and regularly inspected. Please check multi-unit culverts in your area to see if they qualify under the definition of a “bridge.”

Work Type

An application must list the specific work being applied for in the preventative maintenance and/or rehabilitation categories.

Participation Level

The preventive maintenance, structure rehabilitation and replacement, and approach construction costs may be eligible for a maximum of 95 percent participation from federal and/or state funds. The right-of-way, design engineering, and construction engineering costs are not eligible for Local Bridge Program funds.

Cost Estimates

The current Local Agency Program (LAP)–Bridge Cost Estimate Worksheet, dated 12/14/2016, which indicates per unit cost estimates of various rehabilitation and preventive maintenance options (Exhibit 4). This information will be helpful in determining estimated construction costs for different types of repairs. All estimates for projects to be constructed in 2020 should incorporate an annual inflationary factor of three percent (3%). If the structure is over a railroad, include the railroad’s flagging and construction fees.

Data Formula Points

The data found on the Structure Inventory and Appraisal (SI&A) form is used in many of the formula rating point calculations and is one item looked at by your Region Bridge Council when considering discretionary rating points. It is very important that this data be current and correct before submitting the application; incorrect data may significantly affect the rating points. When completing an application, the data stated in the supporting documents must match the data found in the SI&A form.

Site Review for Bridge Applications

MDOT bridge personnel will review submitted applications for completeness and determine the preliminary (computer generated) rating points. The LAP bridge staff will perform site visits, verify appropriate scopes of work, and create written site reports. The applications, preliminary rating points, and the site visit reports will then be forwarded to the respective Region Bridge Council for their review and the addition of the discretionary rating points.

Project Estimate vs. Application Estimate

The Local Bridge Advisory Board has set a policy for projects coming in over application estimate. If, at the grade inspection stage, the project estimate exceeds the application estimate, the Region Bridge Council may review the project. The council can decide to accept the project at the increased estimate, cap the project at a percentage above the application estimate, or request an application for additional funds be submitted in the next call for projects. Due diligence must be taken in getting the most reasonable application estimates.

Bridge Application Package and Submission

Please be sure your Structure Number is correct and have your signed resolution, SI&A, Bridge Inspection Report, cost estimate, location and detour maps, project narrative, letters of support, and photos ready to include as attachments. See Exhibit 3 for further details.

Applications can be submitted electronically using the [Local Agency Bridge Program Website](#), or directly at [FY 2020 Local Bridge Program - Call for Applications Submission Sheet](#).

Exhibit 2 – Bridge Scoping and Work Type Definitions

Bridge Scoping

To assist in the bridge scoping and fix selection process, refer to [MDOT's Scoping Manual](#), specifically pages 30 through 48 of Chapter 5, *Signs of Pavement & Bridge Distress and Fix Selection Guidelines*.

Bridge Asset Management Plan

To assist with managing bridge inventory and developing an optimum bridge preservation strategy, a valuable resource is the [Asset Management Guide for Local Bridges](#) in Michigan.

All local agencies are encouraged to submit asset management plans for the bridge applications being submitted. A summary of the local agency's bridge network asset management plan may also be submitted for review.

Replacement

Replacement projects involve replacing the entire substructure, superstructure, deck and necessary approach work. If a multi-use path or sidewalk is planned but does not currently exist, the estimate needs to clearly indicate the costs of these items. If the project is selected for funding, a master plan showing the path or sidewalk must be provided in order for them to be considered participating in the Local Bridge Program.

The approach costs should be estimated using a minimum of \$35,000 per station, with a minimum approach cost of \$150,000. The estimate needs to account for public utilities such as water mains and sewers, which will need to be altered during construction. Also, if the structure is within a substandard horizontal or vertical alignment, the estimate must account for any possible increase in approach distance.

Replacement projects need to meet current American Association of State Highway and Transportation Officials (AASHTO) guidelines and the Load Factor Resistance Design criteria.

Rehabilitation

Rehabilitation is defined as major work required to restore the structural integrity of a bridge, as well as work necessary to correct major safety defects. These projects are required to meet AASHTO guidelines. If a rehabilitation project is over water, a scour analysis will be required during the design phase and the existing foundations will need to be shown to be stable under a scour event. A structure that is not found to be stable during a scour event may not be allowed to proceed to contract. If making the structure stable results in a change in scope, it may be necessary to re-apply during a future call for applications.

Estimated repair costs for bridge rehabilitation projects will vary by the type of work. Include publicly owned utility relocation costs. Examples of rehabilitation work eligible for funding under the program include:

- Full deck replacement (with or without painting of steel beams)
- Superstructure replacement
- Structure widening
- Removal of existing bridge without replacement

Preventive Maintenance

Preventative Maintenance applications can be a single bridge or multiple bridges submitted for similar preventive maintenance work into one application. This can include multiple agencies working together to submit one application. A multiple bridge application will count as one of the five applications any one agency is allowed to submit per year. The Region Bridge Councils will review a multiple structure application as one package and will not rate each structure independently. Preventive Maintenance activities are eligible under the Local Bridge Program.

When applying for a multiple bridge preventative maintenance project, submit each structure individually. For electronic submission, select “PM-Multiple Structure” as the type of work on each form. For paper submission, identify on the cover sheet that each bridge is part of a “PM-Multiple Structure” application. Examples of Preventive Maintenance include:

- Hot mix asphalt (HMA) overlay with waterproofing membrane
- Epoxy deck overlay (Concrete)
- Shallow deck overlay (removing and replacing concrete surface above the top mat of steel reinforcement)
- Deep deck overlay (removing and replacing the concrete surface below the top mat of steel reinforcement)
- Painting only (full, zone, or spot painting)
- Pin and hanger replacement
- Slope paving repair
- Joint replacement and repair
- Drainage system repair (bridge deck drains and bridge approach downspouts)
- Scour countermeasures
- Concrete crack sealing
- Concrete patching and repair
- Approach pavement relief joint installation
- Temporary supports
- Expansion or construction joint repair
- Guard rail beam retrofit or installation
- Substructure repairs

Exhibit 3 – Application Requirements

1. Submit a narrative which includes the following:
 - a. The responsible local agency contact person's name, title, mailing address, e-mail and telephone number.
 - b. **Clearly indicate whether the application is for rehabilitation, replacement, and preventive maintenance. For rehabilitation and preventive maintenance, clearly specify work requested for funding.**
 - c. A statement explaining the economic importance of the structure.
 - d. In a short paragraph, if there is currently a detour for the structure, explain "Existing detour currently affects"
 - e. In a short paragraph, if the structure is or would be closed, explain "If the structure is closed, the detour would affect...."
 - f. If the structure is closed, what year the structure was closed.
 - g. A statement of any maintenance done on the structure either past or present.
2. Include the most recent Structure Inventory and Appraisal (SI&A) form and Bridge Inspection Report form (BIR). These forms must have been updated within the 24-month period, prior to May 1, 2017. It is very important that this data be current and correct before submitting the application; incorrect data may significantly affect the rating points. The SI&A and BIR forms must be updated electronically on MiBridge prior to the May 1, 2017 deadline. Do not send in any marked up forms as we cannot update the data for you.
3. Submit a legible map (8 ½" X 11") showing:
 - a. Emergency facilities such as fire stations, hospitals or police stations.
 - b. Schools and other significant traffic generating facilities.
 - c. The alternate routes or detours which must be used as a result of load limits or closures.
4. For all applications, include a minimum of two photographs of the following:
 - a. One showing the structure's alignment.
 - b. One showing the structure's profile view.
 - c. If the bridge is posted, include one photograph of the bridge clearly showing the current posting sign.
5. For **rehabilitation** and **preventive maintenance** applications, also include photographs of the following:
 - a. The deck showing the areas of delamination and patches.
 - b. The substructure units showing areas of delaminations/spalls.
 - c. The beams showing areas of cracks and delamination for concrete and local areas of corrosion and/or local failure for steel.
6. Submit a breakdown of the estimated replacement, rehabilitation, and preventive maintenance as follows:

A. Approach Construction	(A) \$ _____
B. Structure Construction	(B) \$ _____
Total (A & B)	Total \$ _____

Note: Use the attached Cost Estimate Worksheets to calculate the approach and structure costs.

7. Submit a "**Priority List**" listing all the structures that you want rated.
8. **For each application**, submit a current resolution, signed and dated, from the governing board supporting the project. Resolutions from previous applications will not be accepted. Any application not containing a signed resolution for all applications will be considered incomplete, and will be rejected and returned to the owner. Letters of local support are recommended but are not mandatory.
9. If submitting a hard copy, do not staple the application together or put in a booklet or binder, as it needs to be reproduced on a scanner/copier.
10. Any application that is not complete will be rejected and returned to the local agency. Common examples of incomplete applications are those that are missing updated SI&A forms, photos of postings, load ratings, missing resolutions, and priority lists. All completed applications must be postmarked by the May 1, 2017, deadline.
11. All local agencies are encouraged to submit asset management plans for the applications being submitted. A summary of the local agencies bridge network asset management plan may also be submitted for review. Refer to the Asset Management Guide for Local Agency Bridges in Michigan, located on MDOT's Local Agency Bridge Program's website.
12. Previous years' applications have been discarded. The Region Bridge Councils and the Local Bridge Advisory Board will only review applications submitted during the current call for applications. After the applications have been reviewed and projects have been selected for funding, all non-funded bridge applications will be discarded.

Submit Applications:

By E-mail: Fill out form at the link below and attach application (One application per sheet).
Application conversion to pdf is preferred over scanned applications due to file size.
[FY 2020 Local Bridge Program - Call for Applications Submission Sheet](#)

By Mail:
Send applications to:

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