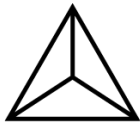


**CAPITAL AREA REGIONAL TRANSPORTATION STUDY (CARTS)  
TECHNICAL COMMITTEE**

July 10, 2018 at 8:30 a.m.  
Capital Area Airport  
Babe Ruth Community Room  
Baggage Claim  
4100 Capitol City Blvd, Lansing, MI 48906

**AGENDA**

- I. **Call to Order/Introductions**
- II. **Approval of Agenda** (Action)
- III. **Approval of Minutes** (Action) - Minutes from the May 1, 2018, are attached.
- IV. **Opportunity for Public Comment** – Opportunity to address the committee on topics on the agenda or the on-going development of the 2045 Metropolitan Transportation Plan (MTP).
- V. **Proposed Transportation Improvement Program FY 2017-FY 2020 Amendments** – (Action)
  - A. MDOT
  - B. Ingham County Road Department- Okemos Road/Waverly Road
  - C. Ingham County Road Department- Lake Lansing Road/Hagadorn Road-
  - D. CATA
  - E. Clinton Transit and EATRAN
  - F. Administrative Modifications (informational only)
- VI. **TCRPC Adopted Committee Structure** – (Presentation) – Staff will inform the committee on changes made to the TCRPC Standing Committee structure.
- VII. **Election of Officers** – (Action) – The committee will nominate a delegate to serve as CARTS Chair and Vice-Chair through July 2019. The current Chair is Dan Armentrout. The current Vice-Chair is Scott House.
- VIII. **2045 Regional Metropolitan Transportation Plan (MTP) and FY 2020-2023 Transportation Improvement Program (TIP) Development** – (Information) – Staff will provide information related to the development of the 2045 Long Range Plan, FY 2020-2023 TIP and adherence to required federal Transportation Performance Measures (TPM's).
- IX. **Other Business**
  - A. Local Agency Reports
  - B. FY 2019 Projects
- X. **Adjourn**



## CARTS TECHNICAL COMMITTEE PROPOSED MEETING MINUTES

May 1, 2018 (Tuesday) at 8:30 a.m.  
Tri-County Regional Planning Commission

- I. **Call to Order/Introductions**  
Ch/Armentrout called the meeting to order at 8:30 a.m.
- II. **Approval of Agenda**  
It was **MOVED** by C. Barnes, **SUPPORTED** by J. Vrabel, to approve the agenda as printed. **MOTION CARRIED UNANIMOUSLY.**
- III. **Approval of Minutes**  
It was **MOVED** by A. Kilpatrick, **SUPPORTED** by C. Barnes, to approve the meeting minutes from April 3, 2018. **MOTION CARRIED UNANIMOUSLY.**
- IV. **Opportunity for Public Comment**  
There was no public comment.
- V. **FY 2020 Federal Local (HSIP) Safety Program**  
Pam Blazo, MDOT Safety Engineer from MDOT Local Agency Programs, presented on the changes and key points of the FY 2020 Federal Local (HSIP) Safety Plan. The call for projects is expected during the month of May.  
  
Patrick Eldridge presented on how WSP (formerly OPUS) can provide assistance to local communities for applying for funding. WSP is under contract with the State of Michigan until September 11, 2018.  
  
The committee had discussions on the safety program and WSP assistance.
- VI. **Proposed Transportation Improvement Program FY 2017-FY 2020 Amendments**  
The map of added and deleted projects was highlighted. Also, a new analysis summary page was developed for the meeting materials to show the impact the proposed amendments and administrative modifications for this cycle has on the FY 2017-2020 Transportation Improvement Program. If you have any further input or suggestions, please contact TIP Coordinator Strach.
  - A. MDOT  
It was **MOVED** by C. Barnes, **SUPPORTED** by J. Vrabel, to recommend the proposed MDOT amendment requests as outlined in the FY 2017-2020 TIP Revision #17 Memorandum, dated April 17, 2018 to the TCRPC Board of Commissioners. **MOTION CARRIED UNANIMOUSLY.**
  - B. City of Lansing  
It was **MOVED** by B. Peterson, **SUPPORTED** by J. Vrabel, to recommend the proposed amendment request as outlined in the FY 2017-2020 TIP Revision #18 Memorandum, dated April 17, 2018 to the TCRPC Board of Commissioners. **MOTION CARRIED UNANIMOUSLY.**

C. Delhi Township - Safe Routes to School

Jared Cypher, Ingham County, stated that there was public comment in opposition to the project after the Ingham County Board of Commissioner had passed the resolution in support of the project. Coordinator Strach stated that she had followed up with Safe Routes to School Grant staff and learned that the portion of the project that received opposition had been removed from the project. It was expressed that more notification to affected residents of opportunities for public input may be needed t.

**It was MOVED by C. Barnes, SUPPORTED by J. Vrabel, to recommend the proposed amendment request as outlined in the FY 2017-2020 TIP Revision #8 Memorandum, dated April 17, 2018 to the TCRPC Board of Commissioners. MOTION CARRIED UNANIMOUSLY**

D. CATA

**It was MOVED by C. Barnes, SUPPORTED by S. Gorby, to recommend the proposed amendments requests as outlined in the FY 2017-2020 TIP Revision #20 Memorandum, dated April 19, 2018 to the TCRPC Board of Commissioners. MOTION CARRIED UNANIMOUSLY.**

E. EATRAN

**It was MOVED by C. Barnes, SUPPORTED by S. Gorby, to recommend the proposed amendment requests as outlined in the FY 2017-2020 TIP Revision #18 Memorandum, dated April 17, 2018 to the TCRPC Board of Commissioners. MOTION CARRIED UNANIMOUSLY.**

F. City of Mason

**It was MOVED by R. Peterson, SUPPORTED by M. Hannahs, to recommend the proposed amendment request as outlined in the FY 2017-2020 TIP Revision #23 Memorandum, dated April 24, 2018 to the TCRPC Board of Commissioners. MOTION CARRIED UNANIMOUSLY.**

G. Administrative Modifications (informational only)

There were no questions regarding the Administrative Modifications.

**VII. Unified Planning Work Plan (UPWP)**

Chief Planner Snell presented the FY 2019 UPWP to the committee. He stated that the work plan highlights the activities TCRPC staff will be working on over the next fiscal year. The work plan is very similar to last year's, but Performance Measures were added. The Rural Portion of the Work Plan will be presented in July.

**It was MOVED by C. Barnes SUPPORTED by J. Vrabel, to recommend the FY 2019 Unified Planning Work Plan, with any necessary edits, to the TCRPC Board of Commissioners. MOTION CARRIED UNANIMOUSLY.**

**VIII. Performance Measures for the FY 2017-2020 TIP and 2040 Regional Metropolitan Transportation Plan (MTP)**

Chief Planner Snell reported that MPOs are required to provide interim language that address the federal requirement of performance measures in the TIP and MTP.

**It was MOVED by M. Hannahs, SUPPORTED by J. Vrabel, to recommend amending the FY 2017- FY 2020 TIP and the 2040 MTP to include the Proposed Performance Measures language necessary for the FAST Act to the TCRPC Board of**

**Commissioners, with any further input from Federal Highway Administration and Federal Transit Authority. MOTION CARRIED UNANIMOUSLY.**

**IX. 2045 Regional Metropolitan Transportation Plan (MTP)**

Chief Planner Snell gave a brief summary and update of the items included in the plan.

**X. Other Business**

A. FY 2018 Project Obligation Status

Local Agencies were asked if they had any projects that they thought would not make the project obligation deadline for FY 2018. There are currently only a few projects that are not obligated.

B. Local Agency Reports

There were not any reports of significance. Local agencies are waiting on their letting of projects.

C. University Region Pedestrian and Bicycle Committee Meeting

A reminder that this meeting is taking place on May 22<sup>nd</sup> in Jackson was given to the committee.

D. 2045 MTP Public Engagement Meetings Schedule

A flyer with the upcoming schedule was attached to the meeting materials.

**XI. Adjourn**

**Being no further business, the meeting adjourned at 9:26 a.m.**

## 2018 CARTS Attendance

MEMBERS	REPRESENTATIVE	1/9	2/6	3/6	4/3	5/1	6/5	7/11	8/7	9/5	10/2	11/6	12/4
Bath Township	Shorkey	D	D	D		D							
	Wietecha	A											
Capital Area Transit Authority	Funkhouser	D1				D2							
	Arcuicci	D2	D2	D2	D2	A1							
	Hartigan	A1	A1	A1	A1								
	White	A2											
Capital Regional Airport Authority	Sieloff	D											
	Vrabel	A	A	A		A							
City of Dewitt	Coss	D	A	A		D							
	Miller	A											
City of East Lansing Community Development	McPherson	D	A	A	A	A							
	Roach	A											
City of East Lansing Public Works	House	D											
	Scheuerman	A1	D	D	D	D							
	Lacasse	A2											
City of Grand Ledge	Smith	D											
	LaHaie	A											
City of Lansing	Kilpatrick	D		D	D	D							
	Rieske	A											
City of Lansing	Johnson	D		D	D	D							
	Danke	A											
City of Lansing	Whisler	D	D		D		D						
	Craigmile	A											
City of Lansing	Mumby	D	D	D	D	D							
	Parry	A											
City of Mason	Hude	D											
	Heck	A1	D	D	D	D							
	Baker	A2											
Clinton Area Transit	Benson	D	D	D	A	A	A						
	Gorby	A											
Clinton County Board of Commissioners	Pohl	D	D	D	D	D							
	Riley	A											
Clinton County Road Commission	Armentrout	D	D	D	D	D							
	Pulver	A											
Delta Charter Twp. Engineering Dept.	Reed	D	D		A		D						
	West	A											
Delhi Charter Twp. Public Service	Miller	D	D			D	D						
	Elsinga	A											
DeWitt Charter Twp.	Niewiadomski	D											
	Taylor	A											
Dimondale- Village of	Parisian	D	D	D	D	D							
	Hilliard	A											

MEMBERS	REPRESENTATIVE		1/9	2/6	3/6	4/3	5/1	6/5	7/11	8/7	9/5	10/2	11/6	12/4
Eaton County Area Transit	Webb	D												
	Martin	A	D	D	D		D							
Eaton County Board of Commissioners	Williams	D1	D1		D1	D1	D1							
	Barnes	D					D							
	Ballou	A												
Eaton County Road Commission	Hannahs	D	D	D	D	D	D							
	Ballou	A												
Ingham County Board of Commissioners	Cypher	D	D	D			D							
	Case Naeyaert	A												
Ingham County Road Department	Conklin	D	A	A	A	A	A							
	Peterson	A												
Lansing Charter Twp.	Hayes	D												
	Schultz	A												
Meridian Charter Twp. Planning Dept.	Keiselbach	D	D				D							
	Oranchak	A												
Meridian Charter Twp. Public Works	Ishtaidi	D		D			D							
	Perry	A												
MDOT -TSC	Spare	D	D	D	D	D	D							
	Thompson	A												
MDOT- CCFC Sec	Doyle	D	D	D	D	D	D							
	none	A												
MDOT University Region	Martin	D	A	D	A	A	A							
	Davis	A												
MSU Campus Park & Planning	O'Donnell	D					D							
	Kacos	A												
FAA District Office (non-voting)	Vacant	D												
FHWA- Division Office Region V (non-voting)	Dewey	D												
	Pickard	A1												
TCRPC (non-voting)	Chief Planner Snell	D	D	D	D	D	D							
		A1												
Total Voting Membership			25	23	24	19	29							
Total Membership Present			26	24	25	20	30							

Others Present:

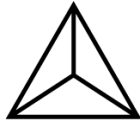
1/9/18: Christine Barnes, Eaton County; Ken Baker, Tom Silsby, City of Mason; Robert Maffeo, MDOT Planning; Nate Granger, Foth; Will Thompson, MDOT Lansing TSC; Roger Marks, C2AE- Eaton Rapids

2/6/18: Ken Baker, City of Mason; Roger Marks, C2AE- Eaton Rapids; Al Kaltenthaler, C2AE; Gary Bozek, Delta Township

3/6/18: Christine Barnes, Eaton County Board of Commissioners, EATRAN; Gail Watkins, Clinton County Board of Commissioners; Robert Maffeo, MDOT; Noelle Tobias, Delhi Township; Amy Gilson, City of Charlotte; Scott DeVries, City of Williamston; Kevin McDewitt, Mannik & Smith Group; Al Kaltenthaler, C2AE;

4/3/18: Christine Barnes, Eaton County Board of Commissioners, EATRAN; Gail Watkins, Clinton County Board of Commissioners; Joe Pulver, Clinton County Road Commission; Robert Maffeo, MDOT; Noelle Tobias, Delhi Township; Amy Gilson, City of Charlotte; Gary Bozek, Delta Township; James Gallagher, Village of Dimondale, Nate Granger, Foth; Roger Marks, C2AE

5/1/18: Christine Barnes, Eaton County Board of Commissioners, EATRAN; Gail Watkins, Clinton County Board of Commissioners; Joe Pulver, Clinton County Road Commission; Robert Maffeo, MDOT; Amy Gilson, City of Charlotte; Scott DeVries, City of Williamston; James Gallagher, Village of Dimondale, Nate Granger, Foth; Roger Marks, C2AE; Patrick Eldridge, WSP; Michelle Weber-Currie, Maria Habba MDOT OPT; Pam Blazo, MDOT.



## MEMORANDUM

To: CARTS Members and TCRPC Board of Commissioners  
From: Andrea Strach, TIP Coordinator  
Date: June 20, 2018  
Re: FY 2017-2020 TIP Revision #26-MDOT July requests- **Action Requested**

MDOT has requested the below changes. Please see below for the changes to the FY 2017- FY 2020 TIP.

Year	County	Project Name	Limits	Len.	Project Des.	Phase	Federal Cost	Funding Source	Local Cost	Total Cost	Comments
2018	Ingham	I-96	EB & WB I-96 from Meridian Rd to M-52	6.46	GPA Trunkline-Highway Preservation- Mill and Resurface	CON	<del>\$1,232,546</del> \$2,132,460	IM	<del>\$136,950</del> \$236,940	<del>\$1,369,496</del> \$2,369,400	Increase in project cost
2019	Clinton	127	At French Rd	0	New Carpool Lot	PE	\$36,833	CM	\$8,167	\$45,000	Delete Project (moved past FY 2020)

**Recommended action:** Recommend/Approve MDOT's proposed TIP amendment for FY 2018 to the FY 2017-2020 TIP.

## MEMORANDUM

To: CARTS Members and TCRPC Board of Commissioners  
 From: Andrea Strach, TIP Coordinator  
 Date: June 15, 2018  
 Re: FY 2017-2020 TIP Revision #24- Okemos Road/Waverly Road- **Action Requested**

Ingham County Road Commission is requesting to remove their Okemos Road Project from the TIP and apply the funding of their Waverly Road Project. The scope of the Waverly Road project has changed from an overlay project to a 5 to 4 lane road reconstruction project. Please see below for the changes to the FY 2017- FY 2020 TIP.

Year	County	Resp.	Project Name	Limits	Len.	Project Des.	Federal Cost	Funding Source	Local Cost	Total Cost	Comments
2019	Ingham	ICRD	Okemos Road	1000' south of Mount Hope to Clinton	0.4	Rebuild SB and NB approaches to bridge over Red Cedar river	\$240,092	NH	\$60,023	<del>\$300,115</del> \$0	Delete project and apply Federal Funding to the Waverly Road Project.
2019	Ingham	ICRD	Okemos Road	1000' south of Mount Hope to Clinton	0.4	Rebuild SB and NB approaches to bridge over Red Cedar river	\$1,128,506	STU	\$250,243	<del>\$1,378,749</del> \$0	Delete project and apply Federal Funding to the Waverly Road Project.
2019	Ingham	ICRD	Waverly Road	Lansing Road to St. Joe	0.5	<del>Resurface-Overlay</del> 5 to 4-lane conversion with reconstruction	\$240,092	NH	\$60,023	\$300,115	Add project to the TIP using funding from the Okemos Road
2019	Ingham	ICRD	Waverly Road	Lansing Road to St. Joe	0.5	<del>Resurface-Overlay</del> 5 to 4-lane conversion with reconstruction	<del>\$588,297</del> \$1,716,803	STU	<del>\$130,453</del> \$380,696	<del>\$718,750</del> \$2,097,499	Add project to the TIP using funding from the Okemos Road

**Recommended action:** Recommend/Approve ICRD's proposed TIP amendment for FY 2018 to the FY 2017-2020 TIP.



## MEMORANDUM

To: CARTS Members and TCRPC Board of Commissioners  
 From: Andrea Strach, TIP Coordinator  
 Date: July 2, 2018  
 Re: FY 2017-2020 TIP Revision #30- Lake Lansing Road/Hagadorn Road- **Action Requested**

The Category 0003 (100% County) total is for resurfacing Hagadorn Road. Ingham County Road Departments wants to add the Hagadorn Road (from Lake Lansing Road, north to Birch Row) resurfacing to the Lake Lansing Road project because it is adjacent, similar work, to take advantage of economy of scale, have the contractor responsible for coordination, and make the larger project more appealing contractors.

Hagadorn Road from Lake Lansing Road to Birch Row is a local road and not federal-aid eligible. The work will be paid for using ICRD's share of the \$175M MTF allocation made available in early 2018.

Year	County	Resp.	Project Name	Limits	Len.	Project Des.	Federal Cost	Funding Source	Local Cost	Total Cost	Comments
2018	Ingham	ICRD	Lake Lansing Road	Hagadorn to I-69 BL (Saginaw) Hadgadorn Rd from Lake Lansing Road to Birch Row.	1.00	Resurface--Road diet (4 to 3 lanes) with bikeway	\$452,920	STU	<del>\$147,080</del> \$447,080	<del>\$600,000</del> \$900,000	Added Hagadorn Road to the scope of the project, which added \$300,000 to the local and total cost

**Recommended action:** Recommend/Approve ICRD's proposed TIP amendment for FY 2018 to the FY 2017-2020 TIP.

## MEMORANDUM

To: CARTS Members and TCRPC Board of Commissioners

From: Andrea Strach, TIP Coordinator

Date: July 2, 2018

Re: FY 2017-2020 TIP Revision #29- CATA- **Action Requested**

CATA has remaining Section 5307 and Section 5339 funding from FY 2015, FY 2016, and FY 2017. We plan to begin the procurement process to purchase large buses during FY 2018. A portion of the FY 2015 funding has been expended on large hybrid buses; with FTA's concurrence we would like to propose a reallocation of these funds. No funding has been expended on large buses from the FY 2016 and FY 2017 grants as awarded. CATA is requesting concurrence to modify the TIP in order to purchase clean diesel powered large buses in lieu of the hybrid fuel type.

Fiscal Year	County	Respons. Agency	Project Name	Primary Work Type	Project Description	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Total Phase Cost	Comment
2015 2018	Ingham	CATA	Bus Purchase	Transit vehicle additions/replacements	Purchase 40'/60' large <b>hybrid</b> buses	\$8,320,340	5307	\$2,080,085	CTF	\$10,400,425 \$9,941,488 <i>Spent to Date</i>	Scope Change for Remainder of Funding/ Year
2015 2018	Ingham	CATA	Bus Purchase	Transit vehicle additions/replacements	Purchase 40'/60' large <b>hybrid</b> buses	\$1,726,168	5339	\$431,543	CTF	\$2,157,711 \$2,155,329 <i>Spent to Date</i>	Scope Change for Remainder of Funding/ Year
2016 2018	Ingham	CATA	Bus Purchase	Transit vehicle additions/replacements	Purchase up to 7 40'/60' large <b>hybrid</b> buses	\$2,977,684	5307	\$744,421	CTF	\$3,722,105 <i>Zero Dollars Spent to Date</i>	Scope Change/ Year
2016 2018	Ingham	CATA	Bus Purchase	Transit vehicle additions/replacements	Purchase up to 2 40'/60' large <b>hybrid</b> buses	\$557,915	5339	\$139,479	CTF	\$697,394 <i>Zero Dollars Spent to Date</i>	Scope Change/ Year

Fiscal Year	County	Respons. Agency	Project Name	Primary Work Type	Project Description	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Total Phase Cost	Comment
2017 2018	Ingham	CATA	Bus Purchase	Transit vehicle additions/replacements	Purchase up to 2 40'/60' large <b>hybrid</b> buses	\$1,261,745	5307	\$315,436	CTF	\$1,577,181 <i>Zero Dollars Spent to Date</i>	Scope Change/ Year
2017 2018	Ingham	CATA	Bus Purchase	Transit vehicle additions/replacements	Purchase up to 2 40'/60' large <b>hybrid</b> buses	\$505,696	5339	\$126,424	CTF	\$632,120 <i>Zero Dollars Spent to Date</i>	Scope Change/ Year

**Recommended action:** Recommend/Approve CATA's proposed changes.

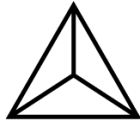
## MEMORANDUM

To: CARTS Members and TCRPC Board of Commissioners  
 From: Andrea Strach, TIP Coordinator  
 Date: June 15, 2018  
 Re: FY 2017-2020 TIP Revision #27- Clinton Transit and EATRAN- **Action Requested**

Clinton and EATRAN have requested changes to the FY 2017- FY 2020 TIP to be the same as their awarded grants. Please see below for the changes to the FY 2017- FY 2020 TIP.

Year	County	Resp.	Project Name	Project Des.	Federal Cost	Funding Source	State Cost	Total Cost	Comments
2018	Clinton	Clinton Transit	Replace up to two Accessible Vans	Transit operations	<del>\$35,426</del> \$43,200	5310	<del>\$8,856</del> \$10,800	<del>\$44,282</del> \$54,000	Adjusted Federal/State Share and Total Cost
<del>2017</del> 2018	Eaton	EATRAN	Bus Purchase	<del>Replace up to 4 small buses</del> Purchase 3 small duty buses	<del>\$272,000</del> \$182,702	<del>5339</del> 5310	<del>\$68,000</del> \$45,676	<del>\$340,000</del> \$228,378	Decrease Cost and change in scope

**Recommended action:** Recommend/Approve Clinton Transit and EATRAN's proposed changes.



## MEMORANDUM

To: CARTS Members

From: Andrea Strach, TIP Coordinator

Date: June 20, 2018

Re: FY 2017-2020 TIP Revision #28-MDOT GPA Revision- **Information Only**

MDOT has requested the below changes. Please see below for the changes to the FY 2017- FY 2020 TIP.

Year	County	Project Name	Limits	Project Des.	Federal Cost	Funding Source	Local Cost	Total Cost	Comments
2018	Various	GPA Trunkline Highway Preservation	Regionwide	GPA	\$5,692,805	IM	\$4,239,864	\$9,932,669	Increase in project cost
					\$6,592,719		\$4,339,854	\$10,932,573	

## MEMORANDUM

To: CARTS Members  
 From: Andrea Strach, TIP Coordinator  
 Date: June 15, 2018  
 Re: FY 2017-2020 TIP Revision #24- Okemos Road Bridge Correction- **Information Only**

Ingham County Road Department is requesting the below correction to the TIP based on funding awarded for this project. Please see below for the changes to the FY 2017- FY 2020 TIP.

Year	County	Resp. Agency	Project Name	Limits	Length	Project Des.	Federal Cost	Funding Source	State Cost	Local Cost	Total Cost	Comments
2020	Ingham	ICRD	Okemos Road	Red Cedar River	Red Cedar River	Bridge replacement	<del>\$3,016,909</del> \$3,152,000	BO	\$565,670	<del>\$188,557</del> \$165,895	\$3,771,136	Corrected Federal Cost and Local Cost

## 2045 MTP & FY 2023 TIP Development Schedule

Weekly Monday Transportation staff status meetings begin (ALL)	July 2, 2018
2045 MTP deficiencies identified	
- Pavement deficiencies identified (JS)	July 14, 2018
- 2045 model analysis complete (JS)	July 14, 2018
- Regional safety data updated (JS/LT)	August 1, 2018
- Future N/M network finalized (LT)	August 1, 2018
- Freight network reviewed (JS/RE)	August 1, 2018
- Transit needs identified (PD)	August 1, 2018
MTP Outreach materials finished	August 14, 2018
MDOT determines CMAQ eligibility for TCRPC region (JS)	August 15, 2018
MTP Public Outreach meetings (ALL)	August 21-28, 2018
TIP Call for Projects (AS)	September 4, 2018
Consultation Process revamp begins (NB/JS)	September 16, 2018
<b>CCC meeting convened to discuss long range regional priorities (ALL)</b>	<b>September 20, 2018</b>
Transit Asset Management Plans due (CATA)(Possible Commission action) (PD)	September 26, 2018
TIP Nominated projects due (AS)	September 28, 2018
TIP Projects scored and ranked (AS/JS)	October 24, 2018
TIP Revenue estimates available (MDOT/AS)	October 31, 2018
TIP Candidates Scored & ranked projects and budgets sent to CARTS (AS/JS)	October 31, 2018
MDOT TIP projects provided for local coordination prior to programming (AS)	November 1, 2018
Preliminary TIP Project Selection by CARTS (Public Comment) (AS/JS/NB)	November 6, 2018
Pavement/Bridge and System Reliability TPM Approval by CARTS (AS/JS)	November 6, 2018
Pavement/Bridge and System Reliability TPM Adoption by Commission (AS/JS)	November 15, 2018
Commission Endorsement of preliminary TIP projects list (Public) (AS/NB)	November 28, 2018
Begin entering TIP projects into JobNet (AS)	November 29, 2018
Modal solutions identified	November 30, 2018
- Pavement solutions identified (JS)	
- 2045 CMP analysis complete (JS)	
- Regional safety data updated (JS/LT)	
- Future N/M network costs finalized (JS)	
- Freight needs identified (JS)	
- Transit needs identified (PD)	
Consultation Process adopted by Board of Commissioners (NB)	December 13, 2018
Document TOC and format finalized (JS/NB)	January 15, 2019
CARTS review of TIP fiscal constraint (AS)	January 8, 2019
Adoption of preferred alternative package with fiscal constraint (JS)	January 23, 2019
Inter-agency work group (IAWG) meets (AS)	January 31, 2019

## 2045 MTP & FY 2023 TIP Development Schedule Continued

Safety TPM to CARTS (LT)	February 5, 2019
Safety TPM adoption by Board of Commissioners (LT)	February 27, 2019
Consultation Review Complete (NB)	February 28, 2019
Environmental Justice Complete (PD/MDOT/JS)	February 28, 2019
Environmental Mitigation Complete (CW)	March 15, 2019
Public Comment on EJ, Mitigation and AQ Conformity (Commission mtg)(NB)	March 27, 2019
AQ Conformity Complete (PD/MDOT/JS) (2 months)	March 31, 2019
TIP EJ, Environmental Mitigation, Consultation and AQ Conformity Complete	March 31, 2019
TIP Draft document complete (AS/NB)	April 15, 2019
Draft document complete (JS/NB)	April 15, 2019
TIP Draft reviewed and approved by CARTS (Public comment) (AS/JS/NB)	May 7, 2019
Draft reviewed and approved by CARTS (Public comment)	May 7, 2019
CCC review draft MTP document (NB/ALL)	May 10, 2019
TIP Final Document Adopted by the Board of Commissioners (Public comment)	May 22, 2019
Final MTP Document Adopted by the Board of Commissioners (Public comment)	May 22, 2019

Black Text is for the MTP Schedule

Blue Text is for the TIP Development Schedule

Red Text is for Performance Measures

July 3, 2018