



## TECHNICAL ADVISORY COMMITTEE

January 22, 2020

10:00 – 11:30 am

McCloskey Room (#135)

- I. Call to Order and Introductions
  - II. Nominations and Election of Officers for Calendar Year 2020
    - a. Chair
    - b. Vice-Chair
  - III. Approval of Minutes\*
    - a. October 23, 2019
    - b. November 20, 2019
  - IV. Communications from the Chair and Vice-Chair
  - V. Reports from Officers and/or Committees
    - a. LPA Project Updates
  - VI. Reports from the MPO Staff
    - a. Update of the 2040 Metropolitan Transportation Plan (MTP) (<https://bloomington.in.gov/sites/default/files/2018-01/BMCMPO%202040%20Metropolitan%20Transportation%20Plan%20-%20FINAL%20Adoption%20-%202012-15-17.pdf>) to the 2045 MTP.
    - b. BMCMPO 2045 Metropolitan Transportation Plan - Coordination Meeting with INDOT/FHWA
  - VII. Old Business
    - a. BMCMPO Operational Bylaws Update\*
  - VIII. New Business
    - a. FY 2020 – 2024 Transportation Improvement Program Amendment\*
      - (1) DES#1902890 - Bridge Maintenance @ Various Locations in Seymour District
    - b. 2045 Metropolitan Transportation Plan
      - (1) Draft 2045 MTP Chapter Discussion - Financial Forecast
      - (2) Draft 2045 MTP Chapter Discussion - Environmental Justice
      - (3) Draft 2045 MTP Chapter Discussion - Air Quality
  - IX. Communications from Committee Members (*non-agenda items*)
    - a. Topic Suggestions for Future Agendas
      - (1) Public Participation Plan
- Upcoming Meetings
- a. Policy Committee – February 14, 2020 at 1:30 p.m. (Council Chambers)
  - b. Technical Advisory Committee – February 26, 2020 at 10:00 a.m. (McCloskey Room)
  - c. Citizens Advisory Committee – February 26, 2020 at 6:30 p.m. (McCloskey Room)

## Adjournment

*\*Action Requested / Public comment prior to vote (limited to five minutes per speaker).*

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## TECHNICAL ADVISORY COMMITTEE MINUTES

October 23, 2019  
10:00 – 12:00 p.m.  
McCloskey Room (#135)

Technical Advisory Committee Minutes are transcribed in a summarized outline manner. Audio recordings of the meeting are available in the Planning & Transportation Department for reference.

**Members Present:** Paul Satterly, Lisa Salyers, Brian Noojin, Jane Fleig, Laura Haley, Zac Huneck, Terri Porter, Sarah Ryterband, Neil Kopper

**Staff Present:** Pat Martin

**Guests Present:** None

- I. Call to Order and Introductions
- II. Approval of Meeting Agenda - \*\*Sarah Ryterband moved approval of meeting agenda. Terri Porter seconded. The Motion passed by a voice vote.
- III. Approval of Minutes:
  - a. September 18, 2019  
\*\*Sarah Ryterband moved approval of the August 28, 2019 minutes. Terri Porter seconded. The Motion passed by a voice vote.
- IV. Communications from the Chair and Vice Chair – Paul Satterly provided an update on Fullerton Pike Phase II, a Fullerton Pike Phase III public information meeting, the posting of public comments, and a recommended design alternative incorporating public comments. Discussion ensued. Neil Kopper reported the 2<sup>nd</sup> Street & Bloomfield Road project as nearing completion. The School Zone project has a December 2019 contract letting. The Rogers-Henderson-Winslow multiuse pathways projects have a January 2020 letting. The Sare Road multi-use pathway project has a March 2020 letting. Zac Huneck reported a posting of the Route Optimization Study on the Bloomington Transit website.
- V. Reports from Officers and/or Committees
  - None
- VI. Reports from Staff
  - a. Indiana MPO Conference – The staff made a BMCMPPO Complete Streets Policy presentation at the Annual Indianan MPO Conference in September.
  - b. Quarterly Project Tracking – Pat Martin reported all county and city projects are progressing. The staff additionally requested from INDOT approval for the planned re-scoping of Karst Farm Greenway extension to an intersection with the City of Bloomington’s Bloomfield Road multiuse pathway.
  - c. BMCMPPO Bylaws Update – A Working Group meeting has a scheduled meeting date on October 31, 2019.
- VII. Old Business
  - None

VIII. New Business

- a. Complete Streets Review an Update - Staff requested a review of the Complete Streets Policy adopted by the BMCMPO in November 2018. The Policy stipulates an annual review involving the CAC and TAC for recommendations to the Policy Committee. Comments are encouraged via email to the staff. Discussion Ensued.
- b. Bloomington Transit Route Optimization Study & Recommend Service Scenario – Staff referenced Bloomington Transit’s website link identifying the recommended service scenario (still subject to public comment) scheduled for implementation in August 2020. With the exception of a proposed service extension to the new Bloomington Hospital site, the IU Campus Bus recommended service scenario remains under consideration. Zac Huneck provided additional public input and project timeline details. Discussion ensued.

IX. Communications from Committee Members (*non-agenda items*)

X. Upcoming Meetings

- a. Policy Committee – November 8, 2019 at 1:30 p.m. (Council Chambers)
- b. Technical Advisory Committee – November 20, 2019 at 10:00 a.m. (McCloskey Room)
- c. Citizens Advisory Committee – November 20, 2019 at 6:30 p.m. (Kelly Room)

Adjournment - **\*\*Terri Porter motioned to adjourn. Neil Kopper seconded.**

*\*Action Requested / Public comment prior to vote (limited to five minutes per speaker).*

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## TECHNICAL ADVISORY COMMITTEE

November 20, 2019

10:00 – 12:00 p.m.

McCloskey Room (#135)

Technical Advisory Committee Minutes are transcribed in a summarized outline manner. Audio recordings of the meeting are available in the Planning & Transportation Department for reference.

**Members Present:** Lew May, Paul Satterly, Becky Packer, Kevin Tolloty, Lisa Salyers, Neil Kopper (proxy), Craig Shonkwiler, Sarah Ryterband (proxy), Laura Haley

**Staff Present:** Pat Martin, Ryan Clemens

**Guests Present:** None

- I. Call to Order and Introductions
  - a. Quorum not attained at beginning of meeting (7 members)
- II. Approval of Meeting Agenda\*
  - a. No quorum for vote to take place – those present agreed to proceed with the meeting
- III. Approval of Minutes:
  - a. October 23, 2019\*
    - (1) No quorum for vote to take place
- IV. Communications from the Chair and Vice Chair
  - a. May discussed the Bloomington Transit Route Optimization Study public meeting process and how to proceed afterward.
  - b. Satterly mentioned that the Fullerton Pike Phase 2 project, including a roundabout and bridge, is to open soon. Phase 1 is not yet complete. Fullerton Pike Phase 3 planning is well underway and has included public meetings.
- V. Reports from Officers and/or Committees
  - a. None
- VI. Reports from Staff
  - a. BMCMPPO Bylaws Update
    - (1) Clemens reported on the Bylaws Working Group meeting on October 31 and that the next Working Group meeting will occur on December 6. He also laid out the process for the entire bylaws update process. Discussion ensued about major themes included in the Working Group to this point.
  - b. Complete Streets Policy Update
    - (1) Martin reported on the Complete Streets Policy update, indicating that no updates will occur at this time but possibly by April, along with an update of the Public Participation Plan.  
  
Haley joined the meeting.
  - c. Bloomington Transit Bus Stop Assessment Update

- (1) May reported on Bloomington Transit's Bus Stop Assessment. The report has been completed and will be sent to INDOT next week.

VII. Old Business

VIII. New Business

Ryterband joined the meeting. Quorum is obtained.

- a. INDOT 2020 Safety Performance Targets\*
  - (1) Martin reported on INDOT's statewide Safety Performance Targets which includes their projections for roadway fatalities and incapacitating injuries by mode of travel. Discussion ensued.
    - (a) \*Ryterband moved to recommend the 2020 Safety Performance Targets to the Policy Committee if the document noted that the numbers of fatalities and incapacitating injuries were clearly stated as maximums instead of being left as targets. Kopper seconded. Motion passes by a unanimous voice vote.
- b. FY 2020 – 2024 Transportation Improvement Program Amendment\*
  - (1) DES#1902020 – Traffic Signal Visibility Improvements at various locations in Monroe County
    - (a) Martin described the INDOT amendment. Discussion ensued.
      - (i) Ryterband moved to pass the TIP Amendment. Shonkwiler seconded. Motion passes by unanimous voice vote.
- c. BMCMPPO CY 2020 Committee Meeting Schedule
  - (1) Clemens discussed the CY 2020 meeting schedules for all BMCMPPO committees mentioning that it will follow the same format as CY 2019 with a few changes happening around City and County holidays.

IX. Communications from Committee Members and the public (*non-agenda items*)

- a. Topic suggestions for future agendas

X. Upcoming Meetings

- a. Policy Committee – January 10, 2020 at 1:30 p.m. (Council Chambers)
- b. Technical Advisory Committee – January 22, 2020 at 10:00 a.m. (McCloskey Room)
- c. Citizens Advisory Committee – January 22, 2020 at 6:30 p.m. (McCloskey Room)

Adjournment

*\*Action Requested / Public comment prior to vote (limited to five minutes per speaker).*

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# **Bloomington-Monroe County Metropolitan Planning Organization**

## **Operational Bylaws**

**DRAFT:  
APPROVED BY BMCMPO BYLAWS  
WORKING GROUP (January 15, 2020)**

*Adopted:*  
December 9, 2005

*Effective:*  
January 13, 2006

*Amended:*  
February 10, 2006  
March 9, 2007  
March 7, 2008  
January 9, 2009

**Draft Proposed Update:**  
**March 13, 2020**

## BACKGROUND

Federal legislation requires the establishment of a Metropolitan Planning Organization (MPO) in urban areas where the population exceeds 50,000 people to conduct transportation planning. The basic objective of an MPO is to encourage and to promote the development of transportation systems, embrace multiple modes of transportation, and to minimize transportation-related fuel consumption and air pollution.

Indiana Governor Robert D. Orr designated the City of Bloomington Plan Commission as the MPO for the Bloomington urban area on March 4, 1982.

Locally, the Bloomington-Monroe County Metropolitan Planning Organization (BMCMPPO) fulfills the MPO mission as an intergovernmental transportation policy group that manages transportation project funding for the Bloomington-Monroe County Urbanized Area (which includes the local public agencies (LPAs) of the City of Bloomington, the Town of Ellettsville, and portions of Monroe County, the Bloomington Public Transportation Corporation, Area 10-Rural Transit, and Indiana University Campus Bus). The ~~Bloomington/Monroe County~~ BMCMPPO is responsible for ensuring that the transportation planning program in the Urbanized Area incorporates consultation, cooperation, and coordination ~~between~~among the MPO, various civic organizations, and the public. All MPO decisions are endorsed by a Policy Committee ~~upon the recommendation with input from~~ of both ~~the~~ Technical Advisory Committee and ~~the~~ Citizens Advisory Committees.

The Policy Committee (PC) consists of municipal and county elected officials, non-elected members, membership from the Bloomington Public Transportation Corporation, Indiana University, Indiana Department of Transportation (INDOT), and the Federal Highway Administration (FHWA). The Technical Advisory Committee (TAC) includes state and local planners, engineers, transit operators and other transportation-related professionals. The Citizens Advisory Committee (CAC) represents a broad cross-section of Bloomington, Ellettsville, and Monroe County citizen and community interests.

The public is actively encouraged to attend MPO meetings and to be involved in the transportation planning process. Meeting agendas for each of the three MPO committees are published online at [www.bloomington.in.gov/mpo](http://www.bloomington.in.gov/mpo).

## PREAMBLE

The following constitutes the bylaws, procedures, and responsibilities which shall serve to establish, organize, and guide the proper functioning of the Bloomington-Monroe County Metropolitan Planning Organization.

This organization shall be responsible for fulfilling the requirements of the Federal-Aid Highway Act of 1962, as amended, the Urban Mass Transportation Act of 1964, as amended, and other subsequent laws setting forth requirements for transportation planning for all modes of travel. This responsibility shall be accomplished within a cooperative framework properly related to comprehensive planning on a continual basis. This organization shall also carry out any other transportation planning and programming functions as set forth in any agreements entered into by



this process and the Indiana Department of Transportation, the U.S. Department of Transportation or in such manner as events shall dictate.

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## CHAPTER 1: GENERAL PROVISIONS

### 1.1 Organization Name

The name for the Metropolitan Planning Organization is the Bloomington~~/~~Monroe County Metropolitan Planning Organization. ~~It may also be~~Previously, it has been referred to as the Bloomington Area Transportation Study and the Bloomington Metropolitan Planning Organization.

### 1.2 Organizational Structure

The Metropolitan Planning Organization structure shall consist of three committees:

1. Policy Committee (PC);
2. Technical Advisory Committee (TAC); and the
3. Citizens Advisory Committee (CAC).

### 1.3 MPO Staff Designation

~~A. **Staff:** The City of Bloomington Planning Department shall be the staff for the Metropolitan Planning Organization.~~

~~B. **Executive Secretary:** The City of Bloomington Planning Department Director or the Director's designee shall serve as the Executive Secretary on behalf of the MPO.~~

The full-time staff for the Bloomington-Monroe County Metropolitan Planning Organization shall include a Senior Transportation Planner and a Transportation Planner. Ancillary staff shall include, but are not limited to, the City of Bloomington Planning and Transportation Department's Planning Services Manager, Bicycle and Pedestrian Coordinator, Planning Technician, and Administrative Assistant.

### 1.4 Policies

- A. **Applicability:** All transportation policies shall apply to all committees and participants of the Bloomington~~/~~Monroe County Metropolitan Planning Organization.
- B. **Committee Review:** The Citizens Advisory Committee and the Technical Advisory Committee shall be afforded sufficient time to comment on significant voting items including but not limited to program and planning drafts and proposed amendments prior to action by the Metropolitan Planning Organization Policy Committee.

- C. **Adoption:** Reports, programs, and plans become official process documents following adoption by resolution of the Metropolitan Planning Organization Policy Committee.
- D. **Multimodal Consideration:** All MPO committees shall proceed with their respective responsibilities and duties with proper consideration at all times, for all modes of transportation and associated facilities.
- E. **Coordination:** All studies undertaken by the MPO shall be coordinated with individual modal planning programs and with comprehensive planning efforts in the urban Metropolitan Planning Area (MPA).
- F. **Efficient Development:** Transportation planning activities shall be used to promote efficient urban development. Reasonable forecasts of land use and socioeconomic conditions shall be made to guide these activities.
- G. **Open Meetings:** All meetings of the Policy Committee, the Technical Advisory Committee, and the Citizens Advisory Committee, shall be open to the public.

H. **Working Groups:** When necessary, working groups for special topics shall be established and formed by the MPO Staff. Working groups shall not constitute a quorum of any Committee unless there is at least a five (5) day notice provided to all committee members and the public. All MPO working group meetings shall be scheduled by the MPO Staff.

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I. **Publications:** All published data and/or reports shall be made available to the public and stakeholder agencies.

## 1.5 Procedures

- A. **Rules of Order:** The rules of order herein contained shall govern deliberations and meetings of all MPO Committees. Any point of order applicable to the deliberations of the Committees and not contained herein shall be governed by Roberts Rules of Order.
- B. **Voting:** All MPO Committee votes shall be by voice vote; however, upon the request of at least one (1) voting member or an MPO staff member, a roll call vote shall be taken. Unless specified otherwise in these Bylaws, all motions before MPO Committees shall be decided by a majority vote of the present quorum. In the event of a tie vote, the motion before the Committee shall fail.
- C. **Scheduling:** All MPO Committee meetings shall be scheduled by the MPO Staff.
- D. **Meeting Notice:** At least five (5) days notice shall be provided for all MPO Committee meetings.
  - 1. Agenda: A proposed agenda shall be provided to ensure adequate preparation. Such agenda shall include the date, time and location of the Committee meeting. Notice for all MPO Committee meetings shall be provided and posted in

- accordance with State of Indiana's Open Door Law and shall include the date, time, and location of the Committee meeting.
2. Delivery: The notice, agenda, minutes, and other Committee meeting materials may be delivered to Committee members electronically.
- E. **Meeting Cancellation:** At the discretion of the ~~City of Bloomington Planning Department Director~~ MPO staff and with the approval of the ~~Chair~~ of the ~~Committee~~, a regularly scheduled MPO ~~Committee~~ meeting can be canceled or postponed. Notification of the cancellation shall be made at least three (3) days prior to the date of the scheduled meeting, except for in the case of an extenuating circumstance.
- F. **Committee Chair and Vice-Chair Participation:** During an MPO Committee meeting, the Chair and Vice-Chair of the Committee may make motions and debate policy items, and shall not be deprived of any rights and privileges of a member by reason of acting as ~~the~~ presiding officer. A Chair and Vice-Chair of any MPO Committee shall not, by neither election nor proxy representation, preside as neither Chair nor Vice-Chair of multiple MPO Committees.

## 1.6 Amendment of Bylaws

- ~~A. Process:~~ Amendments to the MPO Bylaws shall be made according to the following process:
- Step 1 - Drafting of an Amendment: The MPO staff shall be responsible for drafting proposed amendments for consideration by the MPO committees. If deemed necessary, the Staff will assemble a Bylaws Working Group.
- ~~1. Step 2 - Committee Review:~~ Proposed bylaws amendments shall be placed on the agendas of the next available Technical Advisory Committee and Citizens Advisory Committee meetings. The Policy Committee shall not take action on proposed amendments before the TAC and CAC have the opportunity to review and comment on such proposals.
- ~~2. Step 3 - Notice:~~ MPO Staff shall include the proposed bylaws amendment, specifying the exact form of the amendment, in the public notice for any MPO Committee meeting at which the proposal will be reviewed.
- ~~3. Step 4 - Policy Committee Action:~~ After receiving input from the TAC and CAC, the Policy Committee may vote on the proposed bylaws amendment. Amendments shall become effective upon a positive vote of 2/3 of the voting members of the Policy Committee.
- ~~B. Staff Role: The MPO staff shall be responsible for drafting proposed amendments for consideration by the Policy Committee.~~

## CHAPTER 2: POLICY COMMITTEE

### 2.1 Purpose

The purpose of the Bloomington-Monroe County Metropolitan Planning Organization Policy Committee shall be to serve the Bloomington-Monroe County ~~Metropolitan~~ Planning Area as the official decision-making body for transportation planning matters.

### 2.2 Responsibilities

The responsibilities of the Policy Committee shall be as follows:

- A. To give overall guidance for the transportation planning process;
- B. To have overall responsibility for review and approval of all plans and programs which are developed by the transportation planning process;
- C. To organize membership of the Technical Advisory Committee;
- D. To encourage membership and participation in the Citizens Advisory Committee;
- E. To take official action on committee recommendations and other matters pertaining to furthering the transportation planning process;
- F. To adopt transportation goals and objectives to guide the transportation planning process;
- G. To adopt the annual Unified Planning Work Program (UPWP), the Transportation Improvement Program (TIP), the Long-Range Transportation Plan (LRTP), and other plans and reports;
- H. To submit plans and recommendations to participating agencies and obtain resolutions for adoption from governing agencies;
- I. To establish a transportation study area boundary, also known as the Metropolitan Planning Area (MPA);
- J. To change the designated membership as deemed necessary; and
- K. To ensure that citizen participation is achieved in the transportation planning process.

### 2.3 Membership

- A. **Members:** The membership of the Policy Committee shall be as follows:
  - 1. Mayor, City of Bloomington
  - 2. President, Monroe County Commissioners
  - 3. President, Monroe County Council
  - 4. President, City of Bloomington Common Council
  - 5. President, Monroe County Plan Commission
  - 6. President, City of Bloomington Plan Commission
  - 7. President, Ellettsville Town Council
  - 8. Chair, Board of Directors, Bloomington Public Transportation Corporation
  - 9. ~~Vice President & Chief Administrative Officer~~ Director of Real Estate, Indiana University
  - 10. Director, City of Bloomington Public Works Department
  - 11. Director, Monroe County Highway Department
  - 12. Chair, BMCMPO Citizens Advisory Committee
  - 13. ~~Director~~ Deputy Commissioner, INDOT Seymour District
  - 14. ~~FHWA, Indiana Division~~ Indiana Division Administrator, Federal Highway Administration (Non-Voting)
  - 15. ~~FTA, Region V~~ Regional Administrator – Region 5, Federal Transit Administration (Non-Voting)

- B. **Alternate Representation:** If the designated Policy Committee representative for a board, commission, institution, or other organization is unable to serve on the Policy Committee, an alternate representative may be appointed by the same board, commission, institution, or organization to serve the term of the regular designee. In such cases, the regular designee shall not be required to submit a proxy statement for each meeting that the alternate representative attends.
- C. **Terms:** The voting members of the Policy Committee shall serve terms on the Committee that coincide with the terms of their respective offices.
- D. **Proxy:** Each voting member of the Policy Committee may name a proxy in writing for a particular meeting or vote.
  - 1. Representation: The proxy shall be from the same agency, jurisdiction, or organization which the member represents.
  - 2. Powers: The proxy's powers shall be delineated in the written notice.
  - 3. Notification: The member shall be responsible for notifying the proxy of meetings, and shall notify MPO staff of the proxy representation.
  - 4. Committee Chair Proxy: If the Chair of the Policy Committee is absent, then the Vice-Chair shall conduct the meeting, even if the Chair designates a proxy.
- E. **Additional Appointments:** Additional appointments to, or changes in the composition of, the Policy Committee shall require an amendment to these Bylaws as outlined in Section 1.6. Any Policy Committee membership changes shall be made in consultation with the Indiana Department of Transportation, the Federal Highway Administration and the Federal Transit Administration.

## 2.4 Officers

- A. **Officers:** The Policy Committee shall elect the following officers from among the represented BMCMPPO LPAs:
  - 1. Chair
  - 2. Vice-Chair
- B. **Eligibility:** Officers of the Policy Committee shall be chosen from the voting members of the Policy Committee.
- C. **Elections:** Election of officers shall occur in January at the first Policy Committee meeting of each calendar year. Elections for all officers shall be by majority vote.
- D. **Duties:** The duties of the elected officers of the Policy Committee shall be as follows:
  - 1. Chair -
    - ~~a.~~ Preside over the meetings of the Policy Committee.
  - 2. Vice-Chair -

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~~a.~~ In the absence of the Policy Committee Chair, to preside over the meetings of the Policy Committee.

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## 2.5 Meeting Procedure

- A. **Quorum:** A quorum shall consist of seven (7) voting members of the Policy Committee or their proxies.
1. **Committee Action:** No action shall be taken by the Policy Committee without a quorum.
  2. **Rescheduling:** If a quorum is not present, those present may tentatively reschedule the meeting to another day when a quorum can be obtained.
- B. **Schedule:** Meetings of the Policy Committee shall be open to the public and be held ~~on a bimonthly basis or~~ on a regular monthly basis except for during the month of the summer recess and winter recess, or as needed for special business.
- C. **Special Votes:** The Chair of the Policy Committee may request a mail, fax, or e-mail vote on issues already presented, but not yet voted on, at previous meetings.
1. **Limitations:** This practice will be used only if Federal and/or State imposed deadlines are an issue or if the vote is necessitated due to the urgency of a local, State, or Federal project.
  2. **Committee Report:** A mail, fax, or e-mail vote will be presented at the next scheduled Policy Committee meeting as part of the previous meeting minutes.

## 2.6 Order of Business

The business of the Policy Committee shall be taken up for consideration and disposition in the following order, unless order is suspended by unanimous consent:

1. ~~1.~~ Call to order by the Chair
2. Approval of the Agenda
- ~~3.~~ Approval of ~~m~~Minutes of the previous meeting
- ~~4.~~ Communications from the Chair
- ~~5.~~ Reports from ~~o~~Officers and/or ~~e~~Committees
- ~~6.~~ Reports from the MPO ~~s~~Staff
- ~~7.~~ Old Business  
*Public comment prior to vote (limited to five minutes per speaker, and may be modified by committee at beginning of public comment period)*
- ~~8.~~ New Business  
*Public comment prior to vote (limited to five minutes per speaker, and may be modified by committee at beginning of public comment period)*
- ~~9.~~ Public comment on matters not included on the agenda (non-voting item)  
*Limited to five minutes per speaker, and may be reduced by the committee if numerous people wish to speak*
- ~~10.~~ Communications from Committee members on matters not included in the agenda (non-voting item)

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## CHAPTER 3: TECHNICAL ADVISORY COMMITTEE

### 3.1 Purpose

The purpose of the Technical Advisory Committee is to provide the MPO Policy Committee with technical support concerning the development of annual documents and the implementation of specific projects contained therein.

### 3.2 Responsibilities

The responsibilities of the Technical Advisory Committee shall be:

- A. To recommend technical methods, procedures, and standards to the Policy Committee to further the transportation planning process;
- B. To help coordinate work of operating departments and agencies participating in the transportation planning process;
- C. To comment and make recommendations on draft reports of the Unified Planning Work Program (UPWP), the Transportation Improvement Program (TIP), the Long-Range Transportation Plan (LRTP), and other plans and reports.  
To discuss and recommend alternative transportation plans and programs to the Policy Committee, and
- D. ~~To comment and make recommendations on draft reports of the Unified Planning Work Program (UPWP), the Transportation Improvement Program (TIP), the Long-Range Transportation Plan, and other plans and reports.~~ To discuss and recommend alternative transportation plans and programs to the Policy Committee.

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### 3.3 Membership

- A. **Members:** The membership of the Technical Advisory Committee shall -be as follows:
  1. ~~City~~ Transportation and Traffic Engineer, City of Bloomington
  2. ~~Deputy Director Public Works~~ Data Analyst and Manager, City of Bloomington
  3. Controller, City of Bloomington
  4. Planning Director, City of Bloomington
  5. Director of Operations & Development, City of Bloomington Parks and Recreation Department
  6. Assistant ~~Engineer~~ Utilities Director, City of Bloomington Utilities
  7. GIS Coordinator, City of Bloomington
  8. ~~Streets Superintendent~~ Director of Streets Operations, City of Bloomington Street Department
  9. ~~Assistant Director~~ Highway Engineer, Monroe County Highway Department



10. Director, Monroe County Planning Department
  11. Auditor, Monroe County
  12. Parks & Recreation ~~Director~~~~Administrator~~, Monroe County
  13. GIS Coordinator, Monroe County
  14. ~~Planning~~ ~~Director of Planning Services~~, Town of Ellettsville ~~Planning Department~~
  15. ~~Town Engineer~~~~Street Commissioner~~, Town of Ellettsville ~~Street Department~~
  16. ~~Executive~~ Director of ~~IU Campus Bus Service~~~~Transportation~~, Indiana University
  17. General Manager, Bloomington Transit
  18. ~~Manager~~~~Chief Executive Officer~~, Area 10-Rural Transit
  19. ~~Executive~~ Director, Monroe County Airport
  20. ~~Transportation~~ Director of ~~Building Operations~~, Monroe County Community School Corporation
  21. Transportation Director, Richland-Bean Blossom Community School Corporation
  22. Vice-Chair, Citizens Advisory Committee (~~Non-Voting~~)
  23. ~~Transportation Planner/MPO Liaison~~, INDOT ~~Planning/Programming Representative~~
  24. ~~Project Manager – Transit~~, INDOT ~~Public Transportation Representative~~
  25. ~~Special Projects Engineer~~, INDOT Seymour District Office, ~~Planning and Programming Director~~
  26. ~~Community Planner – Indiana Division~~, Federal Highway Administration ~~FHWA~~, ~~Indiana Division~~ (Non-Voting)
  27. ~~Community Planner – Region 5~~, Federal Transit Administration ~~FTA~~, ~~Region V~~ (Non-Voting)
- B. **Alternate Representation:** If the designated Technical Advisory Committee representative for a department, board, commission, institution, or other organization is unable to serve on the Technical Advisory Committee, an alternate representative may be appointed by the same department, board, commission, institution, or organization to serve the term of the regular designee. In such cases, the regular designee shall not be required to submit a proxy statement for each meeting that the alternate representative attends.
- C. **Terms:** The voting members of the Technical Advisory Committee shall serve terms on the Committee that coincide with the terms of their respective offices.
- D. **Proxy:** Each voting member of the Technical Advisory Committee may name a proxy in writing for a particular meeting or vote.
1. **Representation:** The proxy shall be from the same agency, jurisdiction, or organization which the member represents.
  2. **Powers:** The proxy's powers shall be delineated in the written notice.

3. Notification: The member shall be responsible for notifying the proxy of meetings, and shall notify the MPO staff of the proxy representation.
  4. Committee Chair Proxy: If the Chair of the Technical Advisory Committee is absent and designates a proxy, then the Vice-Chair shall conduct the meeting, even if the Chair designates a proxy.
- E. **Additional Appointments**: Additional appointments to, or changes in the composition of, the Technical Advisory Committee shall require an amendment to these Bylaws as outlined in Section 1.6. Any Technical Advisory Committee membership changes shall be made in consultation with the Indiana Department of Transportation, the Federal Highway Administration and the Federal Transit Administration.

### 3.4 Officers

- A. **Officers**: The Technical Advisory Committee shall elect the following officers from among the represented BMCMPPO LPAs:
1. Chair
  2. Vice-Chair
- B. **Eligibility**: Officers of the Technical Advisory Committee shall be chosen from the voting members of the Technical Advisory Committee.
- C. **Elections**: Election of officers shall occur in January at the first Technical Advisory Committee meeting of each calendar year. Elections for all officers shall be by majority vote.
- D. **Duties**: The duties of the elected officers of the Technical Advisory Committee shall be as follows:
1. Chair -  
a. —Preside over the meetings of the Technical Advisory Committee.
  2. Vice-Chair -  
a. —In the absence of the Technical Advisory Committee Chair, to preside over the meetings of the Technical Advisory Committee.

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### 3.5 Meeting Procedure

- A. **Quorum**: A quorum shall consist of nine (9) voting members of the Technical Advisory Committee, or their proxies.
1. Committee Action: No action shall be taken by the Technical Advisory Committee without a quorum.

2. Rescheduling: If a quorum is not present, those present may tentatively reschedule the meeting to another day when a quorum can be obtained.
- B. **Schedule**: Meetings of the Technical Advisory Committee shall be open to the public and be held on a monthly basis except for during the month of the summer recess and winter recess, or as needed for special business.
- C. **Special Votes**: The Chair of the Technical Advisory Committee may request a mail, fax, or e-mail vote on issues already presented, but not yet voted on, at previous meetings.
1. Limitations: This practice will be used only if Federal and/or State imposed deadlines are an issue or if the vote is necessitated due to the urgency of a local, State, or Federal project.
  2. Committee Report: A mail, fax, or e-mail vote will be presented at the next scheduled Technical Advisory Committee meeting as part of the previous meeting minutes.

### 3.6 Order of Business

The business of the Technical Advisory Committee shall be taken up for consideration and disposition in the following order, unless order is suspended by unanimous consent:

1. ~~1.~~ — Call to order by the Chair
2. Approval of the Agenda
3. ~~2.~~ Approval of ~~m~~Minutes of the previous meeting
4. ~~3.~~ Communications from the Chair
5. ~~4.~~ Reports from ~~o~~Officers and/or ~~e~~Committees
6. ~~5.~~ Reports from the MPO ~~s~~Staff
7. ~~6.~~ Old Business  
*Public comment prior to vote (limited to five minutes per speaker, and may be modified by committee at beginning of public comment period)*
8. ~~7.~~ New Business  
*Public comment prior to vote (limited to five minutes per speaker, and may be modified by committee at beginning of public comment period)*
9. Public comment on matters not included in the agenda (non-voting item)  
*Limited to five minutes per speaker, and may be reduced by the committee if numerous people wish to speak*
10. ~~8.~~ — Communications from Committee members on matters not included in the agenda (non-voting item)
11. ~~9.~~ — Adjournment

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## CHAPTER 4: CITIZENS ADVISORY COMMITTEE

### 4.1 Purpose

~~The purpose of the Citizens Advisory Committee (CAC) is to serve as the formal means through which active citizen participation provides the Policy Committee with public input on official decision making for transportation planning matters.~~

The purpose of the Citizens Advisory Committee (CAC) is to serve as the formal means for active citizen participation. The CAC provides public input for official decision-making on transportation planning matters to the Policy Committee.

### 4.2 Responsibilities

The responsibilities of the Citizens Advisory Committee shall be:

- A. To foster and develop citizen awareness and understanding regarding transportation policy and planning;

- B. To promote necessary interaction between citizens and the Policy Committee, the Technical Advisory Committee, and the Metropolitan Planning Organization staff; and
- C. To keep the Policy Committee, the Technical Advisory Committee, and the Metropolitan Planning Organization staff apprised of current and emerging citizen concerns in relation to transportation issues within the ~~urban~~ Metropolitan Planning Area.

### 4.3 Membership

- A. **Members:** The membership of the Citizens Advisory Committee shall be comprised of citizens of the City of Bloomington, Monroe County and the Town of Ellettsville. Key stakeholder groups, agencies and organizations from each community should also be represented. The following groups, as well as others that may not be listed, are strongly encouraged to send a representative to participate in the Citizens Advisory Committee.
  - 1. Bloomington Traffic Commission
  - 2. Monroe County Traffic Commission
  - 3. Indiana University Student Association
  - 4. Bloomington Commission on Sustainability
  - 5. Bloomington Bicycle and Pedestrian Safety Commission
  - 6. Greater Bloomington Chamber of Commerce
  - 7. Ellettsville Chamber of Commerce
  - ~~8.~~ Bloomington Environmental Commission
  - ~~9.~~ Monroe County Environmental Commission
  - ~~9-10.~~ League of Women Voters
  - ~~10-11.~~ Bloomington Historic Preservation Commission
  - ~~11-12.~~ Bloomington Council of Neighborhood Associations
  - ~~12-13.~~ Bloomington Bicycle Club
  - ~~13-14.~~ Bloomington Board of Realtors
  - ~~14-15.~~ Bloomington Council for Community Accessibility
  - ~~15-16.~~ Downtown Bloomington, Inc.
  - ~~16-17.~~ Area 10 Agency on Aging
  - ~~17-18.~~ Bloomington Urban Enterprise Association
  - ~~18-19.~~ Monroe County Soil & Water Conservation District
  - ~~19-20.~~ INDOT, Seymour District (Non-~~V~~oting)
  - ~~20-21.~~ FHWA, Indiana Division (Non-Voting)
- B. **Eligibility and Registration:** ~~Any~~ citizens and, including any organization representatives, that attends Citizens Advisory Committee meetings ~~may~~ shall be considered Committee Members, ~~and those~~

**C. Registration:** ~~Anyone~~ wishing to become a member of the Committee shall register using a form provided by the MPO Staff. Such registration shall include contact information (mailing address, phone number, email address, etc.) as well as indicate whether the member has been designated as an official representative of a community organization or agency.

**D.C. Voting Privileges:** Citizens Advisory Committee members shall attend three (3) consecutive Committee meetings before they are eligible to vote on Committee business. Members may vote on Committee business as of the third consecutive meeting they attend.

**E.D. Revocation of Voting Privileges:** Citizens Advisory Committee members who miss three consecutive meetings may have their voting privileges revoked with concurrence from the Chair and Vice-Chair. Exceptions may be made if the Committee member can demonstrate extenuating circumstances. A Committee member whose voting privileges have been revoked shall be required to follow the process outlined in 4.3(DC) to regain voting status.

#### 4.4 Officers

- A. **Officers:** The Citizens Advisory Committee shall elect the following officers:
1. Chair
  2. Vice-Chair
- B. **Eligibility:** Officers of the Citizens Advisory Committee shall be chosen from the voting members of the Citizens Advisory Committee.
- C. **Elections:** Election of officers shall occur ~~in January at the first Citizens Advisory Committee meeting~~ of each calendar year. ~~Officers shall be elected by a secret ballot of the voting members of the Committee.~~ Elections for all officers shall be by majority vote.
- D. **Duties:** The duties of the elected officers of the Citizens Advisory Committee shall be as follows:
1. Chair
    - a. Preside over the meetings of the Citizens Advisory Committee.
    - b. In consultation with MPO Staff and the CAC Vice-Chair, reviewSet the Agenda for Citizens Advisory Committee meetings set by MPO Staff, in consultation with the Vice-Chair and the MPO Staff.
    - c. Attend meetings of the Policy Committee as a voting member.
  2. Vice-Chair
    - a. In the absence of the Committee Chair, to preside over the meetings of the Citizens Advisory Committee.

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- b. ~~In consultation with MPO Staff and the CAC Chair, review~~ Set the Agenda for Citizens Advisory Committee meetings ~~set by MPO Staff, in consultation with the Chair and the MPO Staff.~~
- c. Attend meetings of the Technical Advisory Committee as a nonvoting member.

#### 4.5 Meeting Procedure

- A. **Quorum:** A quorum shall consist of a simple majority of Citizens Advisory Committee members eligible to vote. At an absolute minimum, quorum shall consist of four (4) voting-eligible Committee members.
  - 1. Committee Action: No action shall be taken by the Citizens Advisory Committee without a quorum.
  - 2. Rescheduling: If a quorum is not present, those present may tentatively reschedule the meeting to another day when a quorum can be obtained. The members present may also conduct the meeting as an informational session, but shall not take any official action on business items.
- B. **Schedule:** Meetings of the Citizens Advisory Committee shall be open to the public and be held on a monthly basis, except for during the month of the summer recess and winter recess, or as needed for special business.
- C. **Special Votes:** The Chair of the Citizens Advisory Committee may request a mail, fax, or e-mail vote on issues already presented, but not yet voted on, at previous meetings.
  - 1. Limitations: This practice will be used only if Federal and/or State imposed deadlines are an issue or if the vote is necessitated due to the urgency of a local, State, or Federal project.
  - 2. Committee Report: A mail, fax, or e-mail vote will be presented at the next scheduled Citizens Advisory Committee meeting as part of the previous meeting minutes.
- D. **Agenda Items:** Members of the CAC may suggest agenda items at least seven (7) days prior to the next scheduled meeting.

#### 4.6 Order of Business

The business of the Citizens Advisory Committee shall be taken up for consideration and disposition in the following order, unless order is suspended by unanimous consent.

- ~~1.~~ 1. Call to order by the Chair
- ~~2.~~ 2. Approval of the Agenda
- ~~3.~~ 3. Approval of ~~m~~Minutes of the previous meeting
- ~~4.~~ 4. Communications from the Chair
- ~~5.~~ 5. Reports from ~~o~~Officers and/or ~~e~~Committees
- ~~6.~~ 6. Reports from the MPO ~~s~~Staff
- ~~7.~~ 6. Old Business

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*Public comment prior to vote (limited at the discretion of the Chair)*

87. New Business

*Public comment prior to vote (limited at the discretion of the Chair)*

9. Public comment on matters not included in the agenda (non-voting item)

108. Communications from Committee members on matters not included in the agenda (non-voting item)

119. Adjournment

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**To:** BMCMPPO Policy Committee

**From:** Pat Martin, Ryan Clemens

**Date:** January 15, 2020

**Re:** FY 2020 - 2024 Transportation Improvement Program (TIP) Amendment

---

INDOT requests one (1) amendment to the BMCMPPO FY 2020-2024 TIP. The proposed amendment includes:

***Bridge Maintenance at various locations to be determined as needed in the Seymour District – System Preservation (DES#1902890).*** Typical projects under the system preservation heading of bridge maintenance may include deck patching, joint replacement, thin deck overlay, scour protection, railing repair, and other similar work activities dependent upon assessed needs within a given program funding year.

<b>INDOT Seymour District-Wide Bridge Maintenance (DES#1902890)</b>					
<b>Project Phase</b>	<b>Fiscal Year</b>	<b>Federal Source</b>	<b>Federal Funding</b>	<b>State Match</b>	<b>Total</b>
CN	2021	STBG	\$800,000	\$200,000	\$1,000,000
<b>Totals</b>			<b>\$800,000</b>	<b>\$200,000</b>	<b>\$1,000,000</b>

**Requested Action**

Recommend the addition of the presented project to the BMCMPPO FY 2020-2024 Transportation Improvement Program for the February 14, 2020 BMCMPPO Policy Committee meeting.

PPM/pm



Bloomington/Monroe County Metropolitan Planning Organization  
TIP Project Form (Updated 01/03/2017)

### Transportation Improvement Program Project Request Form

**NOTE:** This form must be completed in its entirety in order for a new project to be considered for inclusion in the Transportation Improvement Program (TIP) **OR** to make changes to an existing project already programmed in the TIP. Please complete all parts, including signature verification and attach support materials before returning to BMCMPPO staff at the address listed below.

Mail: Bloomington/Monroe County MPO  
401 N. Morton Street Suite 160      **-OR-**      email: [mpo@bloomington.in.gov](mailto:mpo@bloomington.in.gov)  
PO Box 100      fax: (812) 349-3535  
Bloomington, IN 47402

**1. Public Agency Information** (Fill in all applicable fields):

- Monroe County       City of Bloomington       Town of Ellettsville      xx  INDOT
- Rural Transit       Indiana University       Bloomington Transit       \_\_\_\_\_

Contact Name ([ERC](#)) Brad Williamson Phone: 812-524-3971 \_\_\_\_\_ Fax: \_\_\_\_\_

Address: 185 Agrico Lane, Seymour, IN 47274 \_\_\_\_\_

Email: [bwilliamson@indot.in.gov](mailto:bwilliamson@indot.in.gov)

**2. Project Information:** (Fill in all applicable fields):

- Project Name: **DES Number: #1902890**
- Is this project already in the TIP?       Yes      x  No
- Project Location : **Various locations in the Seymour District to be determined as needed.**
- Brief Project Description: **District Wide Bridge Maintenance**
- Support for the Project (e.g. Local plans, LRTP, TDP, etc.): \_\_\_\_\_
- Allied Projects (other projects related to this one): \_\_\_\_\_
- Does the project have an Intelligent Transportation Systems component? N/A \_\_\_\_\_  
If so, is the project included in the [MPO's ITS architecture](#)? \_\_\_\_\_

### 3. Financial Plan:

Identify *ALL* anticipated project costs for all phases, including total anticipated project costs beyond the four years to be programmed in the TIP (i.e. outlying years). Please identify any illustrative phases or costs in *italics*.

Note: Fiscal Year runs from July 1 to June 30 (ie: FY 2016 starts 7/1/15 and ends 6/30/16.)

Phase	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	Outlying Years
PE	STBG	\$		\$	\$	\$
	State	\$		\$	\$	\$
		\$	\$	\$	\$	\$
CN	STBG	\$	\$		800,000	\$
	ST				200,000	\$
		\$	\$	\$	\$	\$
RW	STBG	\$		\$	\$	\$
	ST	\$		\$	\$	\$
		\$	\$	\$	\$	\$
	<b>Totals:</b>				1,000,000	\$

#### Construction Engineering/Inspection:

- Does the project include an acceptable percentage of construction costs set aside for construction engineering or inspections?  Yes  No  N/A

#### Year of Implementation Cost:

- Has a four percent (4%) inflation factor been applied to all future costs?  Yes  No

### 4. Complete Streets

New Projects – If this is a new project to be included in the TIP, then section III **MUST** be completed.

Existing Projects – If a project is already included in the current, adopted TIP (compliant or exempt) and changes have occurred or will occur to the project which would have bearing on the Complete Streets Policy information on file, then all of section III must be updated and resubmitted for consideration.

Not Applicable – If project is subject to the Complete Streets Policy, check the **Not Applicable** box and proceed to Section 5.

**Complete Streets Applicability and Compliance** – Check one of the following:

- Not Applicable** – **If project is Not Applicable, please skip to Section 5.** The project is not subject to the Complete Streets Policy because it is a transit project, a non-road project, a resurfacing activity that does not alter the current/existing geometric designs of the roadway, a ‘grandfathered’ local roadway project included in the TIP before the adoption of the policy, or is a project that uses federal funds which the BMCMPPO does NOT have programming authority. *No Additional Information items (below) have to be provided for projects to which the Complete Streets Policy does not apply.*
- Compliant** - The project will accommodate all users of the corridor. The project is new construction or reconstruction of local roadways that will use federal funds through the BMCMPPO for **any** phase of project implementation. *Additional Information items 1-8 (below) must be submitted for compliant projects.*
- Exempt** - The project is unable to accommodate all users of the corridor due to certain circumstances or special constraints, as detailed in Section IV of the CS Policy. *Additional Information items 1, 4-8 (below) must be submitted for exempt projects.*

Reason for exemption: \_\_\_\_\_

**Additional Information** – Attach to this application form the following information as required by the Complete Streets Policy. If any fields are unknown at the time of application, the applicant may indicate that “specific information has not yet been determined.”

- 1) **Detailed Scope of Work** – Provide relevant details about the project that would be sufficient to use when seeking consulting services (detailed project description, vehicular elements, non-vehicular elements, new construction/reconstruction).
- 2) **Performance Standards** – List specific performance standards for multimodal transportation, including, but not limited to transit, pedestrian, bicycle, and automobile users, ADA and Universal Design, environmental, utilities, land use, right of way, historic preservation, maintenance of services plan, and any other pertinent design component in relation to current conditions, during implementation/construction, and upon project completion.
- 3) **Measurable Outcomes** – Identify measurable outcomes the project is seeking to attain (e.g. safety, congestion and/or access management, level-of-service, capacity expansion, utility services, etc.)
- 4) **Project Timeline** – Identify anticipated timelines for consultant selection, public participation, design, right-of-way acquisition, construction period, and completion date.
- 5) **Key Milestones** – identify key milestones (approvals, permits, agreements, design status, etc.)
- 6) **Project Cost** – Identify any anticipated cost limitations, additional funding sources, project timing, and other important cost considerations not included in the table above.
- 7) **Public Participation Process** – Describe the public participation process (types of outreach, number and type of meetings, etc.), and the benchmark goals for the project (participation rates, levels of outreach, levels of accountability and corresponding response methods to input received, etc.).
- 8) **Stakeholder List** – Identify the key parties/agencies/stakeholders/interest groups anticipated to be engaged during project development and their respective purpose and roll for being on the list.

**5. Verification**

I hereby certify that the information submitted as part of this form is accurate. Furthermore, if applicable, I certify the project follows the Complete Streets Policy.

\_\_\_\_\_  
Signature

12/31/19\_\_\_\_\_  
Date

**STIP AMENDMENT and/or MODIFICATION REQUEST**

Date: 31-Dec 2019

Amendment  
 1902890

Requestor: Robin Bolte

Sponsor	DES	Route	Work Type	Location	County	District	Miles	Federal Category	Asset Program - (State Projects Only)	Phase	Federal	Match	2020	2021	2022	2023	2024	Remarks	Letting Date	MPO
INDOT	1902890	Various	District Wide Bridge Maintenance	IDIQ, various locations throughout the Seymour	Monroe	Seymour		STBG	Bridge	CN	800,000	200,000		1,000,000				Bridge Maintenance	11/10/20	BMCMPO

# Appendix E: Environmental Justice

## Federal Statutes

Title VI of the Civil Rights Act of 1964 requires that no person in the United States shall on the grounds of race, color, national origin, gender, age, or disability be excluded from participation in, or be denied the benefits of, or be subjected to discrimination under any provision or activity of federal aid recipients, sub-recipients or contractors. Title VI established a standard of conduct for all Federal activities that prohibits discrimination.

Executive Order 12898, issued on February 11, 1994 titled *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*, and the President’s Memorandum on Environmental Justice, directed every federal agency to make environmental justice part of its mission by identifying and addressing the effects of all programs, policies and activities on “minority populations and low-income populations”.

The institution of environmental justice (EJ) ensures equal protection under federal laws, including the following:

- National Environmental Policy Act of 1969 (NEPA)
- Title VI of the Civil Rights Act of 1964
- Section 504 of the Rehabilitation Act of 1973
- Age Discrimination Act of 1975
- 23 United States Code 324
- Title II of the Americans with Disabilities Act of 1990
- Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970

All policies, programs, and other activities undertaken, funded, or approved by the FHWA, FTA, or other US DOT components must comply with EJ requirements from initial concept development through post-construction operations and maintenance (policy decisions, systems planning, project development and NEPA review, preliminary design, final design, right of way, construction, operations, and maintenance).

The underlying principle of Title VI for the 2045 Metropolitan Transportation Plan is that minority and low-income residents should:

- Participate in the planning process;
- Benefit from planned transportation improvements; and
- Not bear an unfair burden of the environmental impacts.

The 2045 Metropolitan Transportation Plan estimates growth patterns and future transportation needs which help to address the benefits and burdens that future transportation projects might have on disadvantaged populations. Plan development provides growth

projections to evaluate opportunities for all populations to provide input (Public Participation Plan), assess the effects of future decisions on neighborhoods, the environment, and the economy, as well as help ensure that the benefits and impacts of future transportation systems are equally distributed.

## Methodology & Results

The BMCMPO 2040 MTP environmental justice methodology relied upon demographic and socioeconomic data from the U.S. Bureau of the Census, *American Community Survey (ACS) 2013-2017 Five-Year Estimate, Poverty Status* for each of Monroe County's sixteen (16) Census Tracts. Examinations of each census tract incorporated estimates of total population in relation to minority populations and percentage of population below poverty status. Table 1 summarizes the percentage of non-white and below poverty populations by Census Tract for Monroe County. Individual Census Tracts relied on two environmental justice characteristics:

- High minority population tracts where 50 percent or more of the residents in the tract consist of "minority" populations; and
- Low income tracts where 50 percent or more of the individuals within the tract are classified as living below poverty level.

Monroe County census tracts with 50 percent or more of either of the two environmental justice characteristics are locations of importance for transportation planning and project development needs. The identified areas with high proportions of minority population and poverty levels for Monroe County are:

- **Census Tract 1** covering the Bloomington Central Business District and immediate surrounding areas;
- **Census Tract 2.01** covering the northern portion of the Indiana University campus;
- **Census Tract 2.02** covering the southern portion of the Indiana University campus;
- **Census Tract 6.01** covering the west portion of the City of Bloomington
- **Census Tract 6.02** covering the northwestern portion of the City of Bloomington; and
- **Census Tract 16** covering the area north of downtown Bloomington and immediately northwest of the Indiana University campus.

Figure 1 illustrates the Monroe County census tracts with 50 percent or more of the two environmental justice characteristics subject to compliance for current or future transportation system projects. The 2045 Metropolitan Transportation Plan does not foresee any residential



displacements for any project within an identified Monroe County Environmental Justice census.

The Environmental Justice census tracts identified for this plan encompass most of the Indiana University campus and/or have high concentrations of off-campus housing desired by the university's student populations. The high percentage below poverty classification for these tracts is very likely a reflection of the large number of students residing within established boundaries. Furthermore, Tract 2.02 has a high minority proportion possibly reflecting international student residents. By comparison, the Bloomington Housing Authority manages a large low-income housing complex within Tract 6.01 as do several other agencies within this tract. Tract 6.01 is close to meeting the EJ characteristics, but offers some context when comparing it to the balance of environmental justice census tracts that have high student populations. Projects that are within environmental justice census tracts shall require higher levels of analysis during Red Flag Investigations prior to Transportation Improvement Program (TIP) programming. This in turn may require the need to address specific EJ concerns as a project moves forward with implementation.

Public transit service is another Environmental Justice consideration. Figure 1 provides a useful reference for assessing the spatial relationship between Transit services and Environmental Justice compliance. Bloomington Transit, Indiana University (IU) Campus Bus, and Rural Transit provide transit services within and in close proximity to Indiana University and the downtown area (Tracts 1, 2.01, 2.02, 6.01, 6.02, and 16). Together, Bloomington Transit, IU Campus Bus, and Rural Transit provide a thorough range of transit services to all Environmental Justice Tracts within Monroe County. Future transit investments supported by the 2045 Metropolitan Transportation Plan will continue to enhance mobility and service for all Environmental Justice tract populations.

The multi-modal transportation improvements contained in the 2045 Metropolitan Transportation Plan will benefit areas with a concentration of low-income households through improved mobility and accessibility without having a "disproportionately high" or "adverse" impacts. No households will undergo displacement in implementing transportation improvements within these low-income or high minority areas. Finally, the 2045 MTP makes multi-modal transportation investments within, and to, low-income areas ensuring that low-income groups receive a proportionate share of benefits, without enduring adverse impacts. Given these consideration factors, the Year 2045 Metropolitan Transportation Plan is in compliance with Title VI relative to Environmental Justice.

## **Conclusion**

Table 1 and Figure 1 define current Monroe County Environmental Justice census tracts with respective minority populations and poverty thresholds meeting Title VI requirements as they relate to transportation planning. Census tracts 1, 2.01, 2.02, and 16 illustrate a high minority



population and poverty level concentrations within and surrounding the Indiana University campus. Conversely, environmental justice census tracts 6.01 and 6.02 reflect the City of Bloomington’s poverty levels along the west and northwest corporate boundaries. No other environmental justice areas reside within balance of the metropolitan planning area or more rural areas of Monroe County.

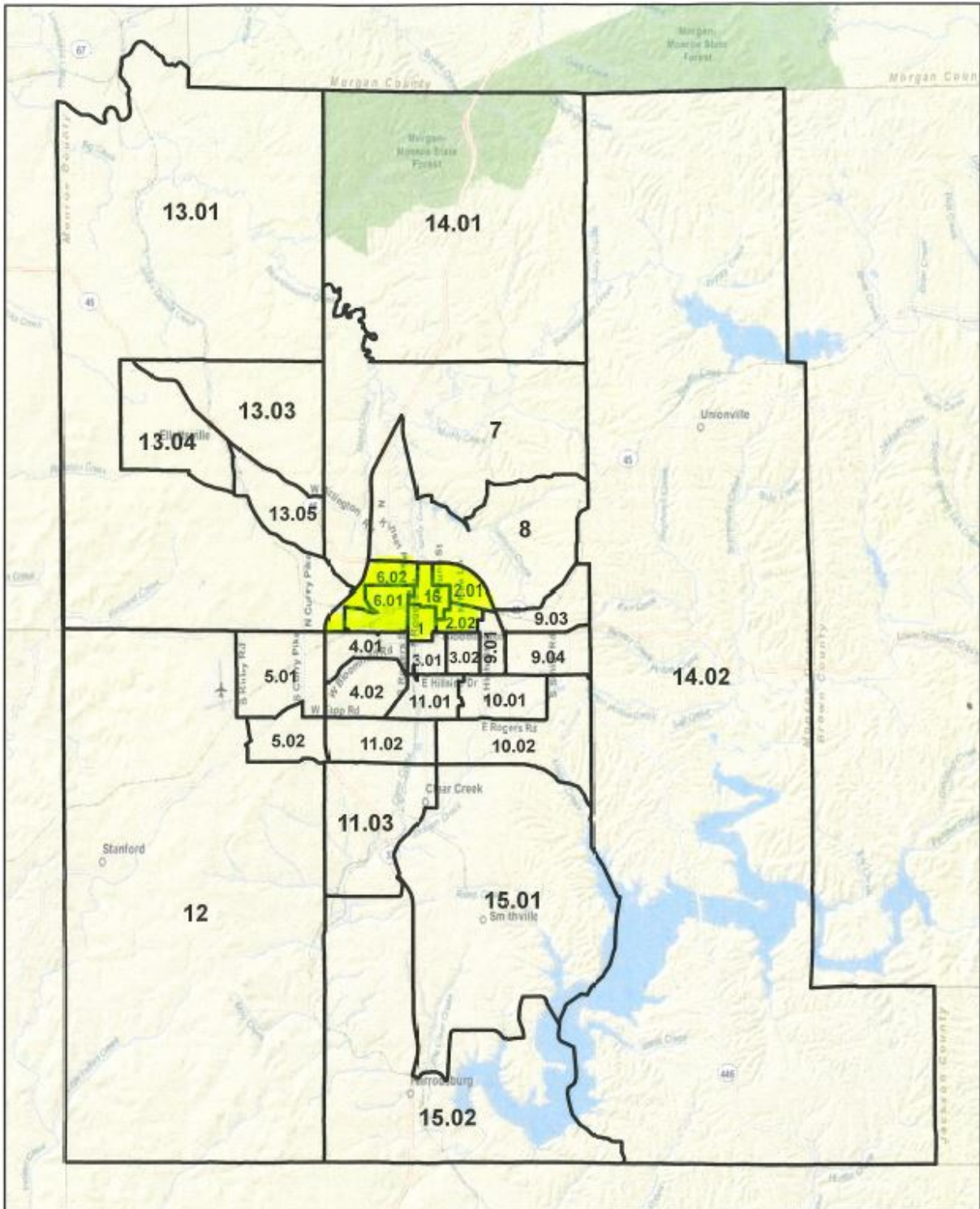
**Table 1 - Monroe County Census Tracts - Environmental Justice Population Estimates\***

2013-2017 Census Tract	Estimated Population	Estimated White Only**	Estimated Non-White	Estimated % Minority	Est. Population Below Poverty Level	Est. % Population Below Poverty Level
1	5,248	4,651	597	11.4%	3,942	75.1%
2.01	323	53	270	83.6%	243	75.2%
2.02	60	45	15	25.0%	36	60.0%
3.01	3,930	3,332	598	15.2%	1,292	32.9%
3.02	2,871	2,733	138	4.8%	946	33.0%
4.01	4,171	3,329	842	20.2%	1,111	26.6%
4.02	4,697	3,744	953	20.3%	877	18.7%
5.01	4,370	3,903	467	10.7%	699	16.0%
5.02	3,450	2,781	669	19.4%	456	13.2%
6.01	3,956	2,822	1,134	28.7%	2,024	51.2%
6.02	3,428	2,748	680	19.8%	1,842	53.7%
7.00	3,021	2,792	229	7.6%	316	10.5%
8.00	5,713	4,818	895	15.7%	1,223	21.4%
9.01	3,262	2,393	869	26.6%	1,357	41.6%
9.03	5,198	4,145	1,053	20.3%	1,622	31.2%
9.04	5,434	3,214	2,220	40.9%	2,256	41.5%
10.01	5,604	4,601	1,003	17.9%	564	10.1%
10.02	6,032	4,814	1,218	20.2%	721	12.0%
11.01	5,775	4,276	1,499	26.0%	2,147	37.2%
11.02	4,422	3,322	1,100	24.9%	610	13.8%
11.03	2,955	2,762	193	6.5%	328	11.1%
12.00	5,994	5,702	292	4.9%	314	5.2%
13.01	5,780	5,376	404	7.0%	407	7.0%
13.03	5,931	5,677	254	4.3%	303	5.1%
13.04	4,278	4,036	242	5.7%	853	19.9%
13.05	2,122	2,029	93	4.4%	198	9.3%
14.01	2,082	2,018	64	3.1%	115	5.5%
14.02	5,749	5,566	183	3.2%	564	9.8%
15.01	5,593	5,237	356	6.4%	492	8.8%
15.02	2,910	2,818	92	3.2%	326	11.2%
16	4,953	4,336	617	12.5%	3,790	76.5%
<b>TOTAL</b>	<b>129,312</b>	<b>110,073</b>	<b>19,239</b>	<b>14.9%</b>	<b>31,974</b>	<b>24.7%</b>

\*Source: U.S. Census Bureau, ACS 2013-2017 Five-Year Estimate, Poverty Status in the past 12 months, December 2019.

\*\*White alone, not Hispanic or Latino

Figure 1 - Monroe County, Indiana - Environmental Justice Census Tracts \*



\*Source: U.S. Census Bureau, ACS 2013-2017 Five-Year Estimate, Poverty Status in the past 12 months. Prepared December 2019.

# Appendix F: Air Quality

## Overview

The Clean Air Act of 1971 requires the development of a State Implementation Program (SIP) for achieving National Ambient Air Quality Standards (NAAQS) in non-attainment areas. The relationship between transportation planning and air quality planning formalized with the Clean Air Act Amendments of 1990, which establish a direct relationship between projects in the Bloomington-Monroe County Metropolitan Planning Organization's (BMCMPPO) Transportation Improvement Program and air quality compliance.

An air quality conformity determination is required under current federal requirements for major transportation investments in designated air quality "non-attainment" and "maintenance" areas. The composite of major transportation investments contained in a metropolitan planning area's long-range transportation plan must therefore demonstrate air quality improvement or, at minimum, no degradation in air quality relative to the "Existing Plus Committed" transportation network. The BMCMPPO is identified in the *2045 Metropolitan Transportation Plan* as an air quality attainment area.

## Compliance

Monroe County and the City of Bloomington currently meet federal air quality standards, and the region is in "attainment" for each of the criteria pollutants.

A conformity determination is not required for the Bloomington and Monroe County metropolitan planning area. The projects programmed in the Cost Feasible Plan for the *2045 Metropolitan Transportation Plan* should result in an improvement to air quality. The analysis completed for the *2045 Metropolitan Transportation Plan* indicates that vehicle miles of travel (VMT) will increase for the "No-Build, Do-Nothing" (Existing Plus Committed) and alternative transportation network over the next two decades years given forecast assumptions about:

- System-wide volume-to-capacity ratios;
- Road miles operating below Level-of-Service "C" or "D";
- Vehicle-miles of travel on facilities operating on below Level-of-Service "C" or "D";
- Congested vehicle-hours of travel; and
- Total vehicle-miles of travel.

The BMCMPPO travel demand forecast model suggest that air quality would degrade over the Year 2045 forecast period if no further major transportation investments are made in the Bloomington and Monroe County metropolitan planning area since congestion and air quality are correlated to vehicle speeds, total vehicles, and vehicle-miles of travel. Simply stated, an increase in mobile source generated carbon monoxide and ozone (hydrocarbons and nitrous oxides) will occur under a "no-build" Transportation Plan alternative scenario.

Conversely, the most favorable scenario alternatives (e.g., Peak Oil and Urban Infill) documented in the 2045 MTP focus on public transportation and alternative transportation while adding capacity preservation should result in air quality improvements over the no-build condition through the achievement of reductions in:

- System-wide volume-to-capacity ratio;
- Congested roadways;
- Vehicle-miles of travel on congested roadways; and
- Congested vehicle-hours of travel.

Forecast growth in population, employment, households, and income will bring about increased transportation demands within the BMCMPPO metropolitan planning area during the forecast period extending to Year 2045. The recommendations of the 2045 Metropolitan Transportation Plan will, however, contribute to overall air quality improvement through a systematic application of transportation capacity preservation, minimal capacity expansion projects, and continued multi-modal system growth of the public transportation, bicycle and pedestrian systems.