

## NOTICE OF MEETING

### Des Moines Area Metropolitan Planning Organization (MPO) Transportation Technical Committee

9:30 a.m., October 6, 2022

Virtual Meeting

OR Dial 1-312-626-6799, Meeting ID: 890 559 757 21

## TENTATIVE AGENDA

1. **Call To Order**
2. **VOTE: Approval of Agenda**
3. **VOTE: Approval of Meeting Minutes**..... Page 2
  - Approve the September 1, 2022, meeting minutes.
4. **PRESENTATION: Rain Campaign Update** ..... Page 5
  - Update from the new Polk County Water Resources Outreach Coordinator on Rain Campaign efforts.
5. **REPORT and OPTIONAL VOTE: Model Ordinance Regulating Bicycles and Personal Transportation Devices** ..... Page 6
  - Discussion regarding the legal review of the model ordinance regulating bicycles and personal transportation devices; consider approval.
6. **REPORT and OPTIONAL VOTE: FFY 2023-2026 Transportation Improvement Program Amendments** ..... Page 7
  - Report on FFY 2023-2026 Transportation Improvement Program amendments from Des Moines Area Regional Transit Authority (DART), City of Des Moines, and Iowa Department of Transportation (DOT); consider approval.
7. **REPORT: Adopting Justice40 Initiative Metrics**..... Page 9
  - Discussion regarding the Biden Administration Justice40 Initiative and the MPO planning process.
8. **REPORT: Surface Transportation Block Grant (STBG) Scoring Update** ..... Page 10
  - Discussion regarding updates to the STBG scoring process.
9. **REPORT: Upcoming Events** ..... Page 17
10. **Other Non-Action Items of Interest to the Committee**
11. **Next Meeting Date – November 3, 2022, at 9:30 a.m.**
12. **Adjournment**

*The established protocol for minutes of this meeting will be to list all attendees, and with each item on which a vote is conducted in the ordinary course in order to take formal action, those voting nay or abstaining will be identified by name. Any member who is absent from the meeting for any period of time during which a vote of the body is taken, is expected to notify the recording secretary at the conclusion of the meeting so that the absence can be duly noted in the minutes. Roll Call votes will be taken as required by law or upon the request of any member that is approved by the chair, and the vote of each member for or against the proposition, or abstention, will be incorporated in the minutes or recorded on a separate sheet attached to the minutes.*

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October 2022  
Item No. 3

**ISSUE: Approval of Meeting Minutes**

VOTE: Consider approval of the September 1, 2022, MPO Technical Committee meeting minutes.

**BACKGROUND:**

The minutes of the September 1, 2022, MPO Technical Committee meeting are included on the following pages.

**RECOMMENDATION:**

Approve the minutes of the September 1, 2022, MPO Technical Committee meeting.

**STAFF CONTACT:**

Tracey Deckard, [tdeckard@dmampo.org](mailto:tdeckard@dmampo.org)  
(515) 334-0075

## MEETING MINUTES

### Des Moines Area Metropolitan Planning Organization Transportation Technical Committee

9:30 a.m., Thursday, September 1, 2022

The MPO TTC held a virtual meeting at 9:30 a.m., September 1, 2022. Before the meeting, the MPO staff emailed agenda packets to the TTC representatives and posted the agenda at the MPO office on August 25, 2022.

#### **Representatives Present:**

John Dostart | City of Altoona  
Amy Quartell | City of Ankeny  
Mark Mueller | City of Ankeny  
Maggie Murray | City of Bondurant  
Jeff May | City of Clive  
Al Miller | Dallas County  
John A Davis | City of Des Moines  
Steve Naber | City of Des Moines  
Michael Ludwig | City of Des Moines  
Luis Montoya | DART  
Dave Wilwerding | City of Johnston  
Tom Leners | Madison County \*\*  
Heather Stancil | Madison County\*\*  
Luke Parris | City of Norwalk  
Ben Champ | City of Pleasant Hill  
Chelsea Huisman | City of Polk City  
Bret VandeLune | Polk County  
John Larson | City of Urbandale  
Rudy Koester | City of Waukee  
Eric Petersen | City of West Des Moines  
Karen Marren | City of West Des Moines  
Darla Hugaboom | FHWA  
Julia Castillo | HIRTA  
Andy Loonan | IDOT

#### **Representatives Absent:**

Jeff Schug | City of Carlisle  
Kathie Hungerfield | City of Cumming  
Dustin Tieg | City of Elkhart  
Matt Ahrens | City of Grimes  
Charlie Dissell | City of Indianola\*\*  
Paul Green | City of Mitchellville  
Dave Herman | City of Van Meter  
David Carroll | Warren County  
Dalton Jacobus | City of Windsor Heights  
Brian Belt | DSM International Airport  
Gerri Doyle | Federal Transit Administration\*  
\* Non-Voting, Advisory Representative  
\*\* Non-Voting, Associate Representative

#### **Staff Present:**

Todd Ashby | Executive Director  
Zach Young | Planning Manager  
Andrew Collings | Principal Planner  
Tracey Deckard | Office Manager  
Allison van Pelt | Senior Planner  
Zhi Chen | Senior Planner  
Aspen Pflanz | Associate Planner

#### **Others Present:**

Jessica Smith

1. **Call to Order**  
TTC Chair recognized a quorum and called the September 1, 2022, meeting to order at 9:30 a.m.
2. **Approval of Agenda**  
**MOTION:** A motion was made by Huisman and seconded by Mueller to approve the MPO TTC's meeting agenda.  
**MOTION CARRIED UNANIMOUSLY**
3. **Approval of Meeting Minutes**  
**MOTION:** A motion was made by Huisman and seconded by Mueller to approve the MPO TTC August 4, 2022, meeting minutes.  
**MOTION CARRIED UNANIMOUSLY**
4. **FFY 2024 Iowa Clean Air Attainment Program Applications**  
Planning Manager presented. Recommend approval of the Federal Fiscal Year 2024 Iowa Clean Air Attainment Program Applications.  
**MOTION:** A motion was made by Dostart and seconded by Koester to approve the Federal Fiscal Year 2024 Iowa Clean Air Attainment Program Applications.  
**MOTION CARRIED UNANIMOUSLY**
5. **Model Ordinance Regulating Bicycles and Personal Transportation Devices**  
Staff presented. Central Iowa Bicycle and Pedestrian Roundtable identified a need to clarify the regulations of bicycles, electric bicycles, electric scooters, and other personal transportation devices in the region. Report and discussion regarding the process, research, and reviews that formed the Model Ordinance Regulating Bicycles and Personal Transportation Devices. Copies were provided. Discussion ensued. Report and discussion only.
6. **2019 Greenhouse Gas Emissions Inventory Update**  
Staff presented. Report on regional and community greenhouse gas emissions inventories progress. Report and discussion only.
7. **Proposed Greenhouse Gas Emissions Performance Measure**  
Staff presented. Report on the notice for proposed rulemaking (NPRM) on the Greenhouse Gas Emissions Performance Measure.  
Report and discussion only.
8. **Upcoming Events**  
Information only.
9. **Other Non-Action Items of Interest to the Committee**  
Staff discussed the proposed SUDAS revisions and advised of information meetings scheduled.
10. **Next Meeting Date**  
The next meeting will be held at 9:30 a.m., on Thursday, October 6, 2022.
11. **Adjournment**  
The MPO TTC's September 1, 2022, meeting was adjourned at 10:10 a.m.

October 2022  
Item No. 4

**ISSUE: Rain Campaign Update**

PRESENTATION: Update from the new Polk County Water Resources Outreach Coordinator on Rain Campaign efforts.

**BACKGROUND:**

In the June of 2018, Des Moines metro cities were hit with unprecedented rains that impacted public and private property, some of which are miles away from the nearest Special Flood Hazard Area.

In response to this event and future rainfall projections, and in accordance with area watershed management authorities, Polk Soil and Water Conservation District applied for and was awarded a grant from the US Environmental Protection Agency, administered by the Iowa DNR, to empower private property owners to manage stormwater on their own land. Through collaboration with Iowa Stormwater Education Partnership, the Des Moines Area Metropolitan Planning Organization, and local jurisdictions, it was decided to increase the awareness and utilization of local cost-share programs across the metro, and to focus on promoting one simple stormwater best management practice, soil quality restoration.

Since its inception, Rain Campaign has grown and in 2022, in partnership with metro communities, Polk County hired full-time Water Resources Outreach Coordinator – Cassie Druhl – to carry its success forward.

**RECOMMENDATION:**

None. Presentation only.

**STAFF CONTACTS:**

Allison van Pelt, [avanpelt@dmampo.org](mailto:avanpelt@dmampo.org);  
(515) 334-0075.

October 2022  
Item No. 5**ISSUE: Model Ordinance Regulating Bicycles and Personal Transportation Devices**

REPORT and OPTIONAL VOTE: Model Ordinance Regulating Bicycles and Personal Transportation Devices.

**BACKGROUND:**

The Central Iowa Bicycle and Pedestrian Roundtable identified a need to clarify the regulations of bicycles, electric bicycles, electric scooters, and other personal transportation devices in our region. The Roundtable drafted a model ordinance, background report, and several supplemental documents to justify this need. The ordinance includes the following goals:

- Match State Code where applicable, with modifications to accommodate other personal transportation devices.
- Comply with the [U.S. Department of Justice's 2010 ruling on Other Power-Driven Mobility Devices](#).
- Create regulations that make it safer for people riding bicycles, scooters, and personal transportation devices while also improving safety for pedestrians that may share space with these devices.
- Establish local regulations for issues which State Code does not address.
- Eliminate regulations that are not enforceable or may be too subjective for equitable enforcement.

The Roundtable held several special meetings with MPO member community staff and transportation professionals to craft the initial ordinance language and revise it to address education and enforcement concerns. At their August 16, 2022, meeting, the Roundtable approved a formal recommendation of the model ordinance for the MPO to consider.

The report, ordinance, and supplemental information will be provided prior to the meeting.

Staff presented the model ordinance to the Technical, Executive, and Policy Committees in September. Board members expressed concern about the model ordinance's consistency with *Iowa Code*. MPO legal counsel is in the process of conducting a review.

**RECOMMENDATION:**

Recommend approval of the Model Ordinance Regulating Bicycles and Personal Transportation Devices.

**STAFF CONTACTS:**

Aspen Pflanz, [apflanz@dmampo.org](mailto:apflanz@dmampo.org)  
(515) 334-0075

October 2022  
Item No. 6

**ISSUE: FFY 2023-2026 Transportation Improvement Program Amendments**

REPORT and VOTE: Consider approval of the amendments to *Federal Fiscal Year 2023-2026 Transportation Improvement Program*.

**BACKGROUND:**

Des Moines Area Regional Transit Authority (DART), the City of Des Moines, and the Iowa Department of Transportation (DOT) have requested the following amendments to the *FFY 2023-2026 Transportation Improvement Program*:

Sponsor: Des Moines Area Regional Transit Authority (DART)

Project: B-Cycle Station Purchase and Installation

Federal Aid Amount: \$30,000

Total Cost: \$37,500

Type of Funding: STBG

TIP Project Modifications: None necessary.

Change: Add project to the *FFY 2023-2026 Transportation Improvement Program*.

Sponsor: City of Des Moines

Project: Guthrie Avenue Viaduct Rehabilitation (Item 37834)

Federal Aid Amount: \$2,000,000

Total Cost: \$5,000,000

Type of Funding: STBG

TIP Project Modifications: None necessary.

Change: Change funding from SWAP-STBG to STBG (FA) and add project to the *FFY 2023-2026 Transportation Improvement Program*.

Sponsor: Iowa Department of Transportation (DOT)

Project: IA 28 Pavement Rehabilitation (Item 52595)

Federal Aid Amount: \$4,800,000

Total Cost: \$6,000,000

Type of Funding: STBG, PRF

TIP Project Modifications: None necessary.

Change: Revise project location to "0.1 mi N of IA 92 to 0.2 mi S of W North Ave in Norwalk" in the *FFY 2023-2026 Transportation Improvement Program*.

Sponsor: City of Norwalk

Project: Iowa 28 and Beardsley Street Improvements (Item 39397)

Federal Aid Amount: \$700,000

Total Cost: \$2,190,000

Type of Funding: STBG-SWAP

TIP Project Modifications: None necessary.

Change: Change funding from STBG (FA) to SWAP-STBG in the *FFY 2023-2026 Transportation Improvement Program*.

#### **RECOMMENDATIONS:**

Recommend approval of the proposed *Federal Fiscal Year 2023-2026 Transportation Improvement Program* amendments.

#### **STAFF CONTACTS:**

Aspen Pflanz, [apflanz@dmampo.org](mailto:apflanz@dmampo.org)  
(515) 334-0075



October 2022  
Item No. 7

## ISSUE: Adopting Justice40 Initiative Metrics

REPORT and OPTIONAL VOTE: Discussion regarding the Biden Administration Justice40 Initiative and the MPO planning process.

### BACKGROUND:

In January 2021, the Biden Administration announced Justice40, a whole-government initiative “to confront and address decades of underinvestment in disadvantaged communities.” The U.S. Department of Transportation issued the below on the matter:

“Justice40 is an opportunity to address gaps in transportation infrastructure and public services by working toward the goal that many of our grants, programs, and initiatives allocate at least 40% of the benefits from federal investments to disadvantaged communities. It is not a one-time investment, but a series of changes that will be implemented across the Department.”

The Biden Administration also recently released a list of “covered programs” within the USDOT’s offerings. These include:

- [Carbon Reduction Program \(CRP\)](#)
- Charging & Fueling Infrastructure Grants
- [Congestion Mitigation and Air Quality Improvement Program \(CMAQ\)](#)
- National Electric Vehicle Infrastructure Programs (NEVI) – Competitive & Formula
- [Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation \(PROTECT\) Formula Program](#)
- [Transportation Alternatives \(TA\) \(Surface Transportation Block Grant set-aside\)](#)
- [FTA Low or No Emission Vehicle Program](#)
- [Pilot Program for Transit-Oriented Development Planning](#)
- [Rebuilding America’s Infrastructure with Sustainability and Equity- RAISE Discretionary Grants](#)
- [Safe Streets and Roads for All \(SS4A\) Grant Program](#)

MPO staff is seeking direction from MPO governing committees on whether Justice40 metrics should be adopted or if MPO staff should perform their own Environmental Justice Report to be incorporated into ongoing planning efforts and the upcoming funding cycle.

### RECOMMENDATION:

Staff recommends consideration of using the Justice40 initiative methodology.

### STAFF CONTACTS:

Allison van Pelt, [avanpelt@dmampo.org](mailto:avanpelt@dmampo.org);  
(515) 334-0075.

October 2022  
Item No. 8

**ISSUE: Surface Transportation Block Grant (STBG) Scoring Update**

REPORT: Discussion regarding the update to the STBG scoring process.

**BACKGROUND:**

Following the FFY 2026 STBG awards, the Executive Committee requested that staff review the scoring process and make a recommendation for updating the scoring system. Staff has spent the last few months developing a new set of questions to replace the old scoring system.

The idea behind these new questions is to remove the locational nature of the previous scoring system that made it difficult for many of the projects to score well. The new questions still focus on the main goal areas of the Long-Range Transportation Plan (LRTP) but are targeting things that any project can do to achieve the goals of the LRTP.

The draft questions are included on the following pages.

At this time, staff has not assigned points to the questions. Staff is requesting that committee members review the content of the questions and once there is a comfort level with these new questions, points will be assigned.

Staff will provide an overview of the new questions at the October meeting.

**RECOMMENDATION:**

None. Report and discussion only.

**STAFF CONTACTS:**

Zach Young, [zyoung@dmampo.org](mailto:zyoung@dmampo.org);  
(515) 334-0075.

## 1. Transportation Infrastructure and Services are Well-managed and Optimized

- a. Does the project implement any of the following signal control and operation solutions from the [National ITS Reference Architecture](#)?
  - i. Traffic Signal Control
  - ii. Eco-Traffic Signal Control
  - iii. Traffic Metering
- b. Does the project implement any of the following signal priority and preemption solutions from the National ITS Reference Architecture?
  - i. Freight Signal Priority
  - ii. Emergency Vehicle Preemption
  - iii. Transit Signal Priority
- c. Does the project implement any of the following traffic management and operation solutions from the National ITS Reference Architecture?
  - i. Infrastructure-Based Traffic Surveillance
  - ii. Traffic Incident Management System
  - iii. Regional Traffic Management
- d. Does the project implement additional ITS solutions from the National ITS Reference Architecture?
  - i. 1-2 additional items
  - ii. 3-4 additional items
  - iii. 5+ additional items
- e. Does the project use any of the following strategies to extend the life of the pavement material
  - i. Improved compaction specifications
  - ii. Use WMA to obtain better compaction
  - iii. Improved mixture designs
  - iv. Use polymers.
  - v. Use rubberized asphalt
  - vi. Use lime or liquid anti-strip to decrease risk of early failure due to moisture damage.
  - vii. Lower w/cm through admixture use
  - viii. Utilize an effective Quality Assurance program throughout material production phase

## **2. Enhance Multimodal Transportation Options**

- a. The project includes the following multimodal facilities
  - i. Transit stop(s)
  - ii. Bike or scooter share station(s)
  - iii. Sharrows, bike route, bicycle boulevard
  - iv. Shared-use Path, Bike Lane, Protected/Buffered Bike Lane
  - v. Sidewalk
  - vi. Paved Shoulder (rural road only)
- b. The project includes the following streetscaping or placemaking elements
  - i. Street trees, public garden(s), or parkway
  - ii. Benches or other street furniture
  - iii. Transit shelter(s)
  - iv. Bicycle or micro-mobility device racks/parking
  - v. Public art
  - vi. Streetlights or lampposts

### 3. Improve the Region's Environmental Health

- a. Does this project use any of the following strategies to reduce the environmental impact of pavement materials
  - i. Reduce the virgin binder content in asphalt mixture through the increase us of Reclaimed Asphalt Pavement (RAP) or other recycled, co-product, or waste materials (RCWMs)
  - ii. Reduce transportation distances of all raw materials through the use of more local materials while maintaining target specifications, quality requirements, and expected performance.
  - iii. Reduce the need for transportation by using in-place recycling such as full-depth recycling (FDR) and cold in-place recycling (CIR), plant recycling using RAP, and greater use of local materials
  - iv. The use of Recycled Concrete Aggregate (RCA)
- b. Does the project use any of the following stormwater Best Management Practices?
  - i. Detention Basin
  - ii. Retention Pond
  - iii. Wetland Basin
  - iv. Wetland Channel
  - v. Grass Swale
  - vi. Grass Strip
  - vii. Bioretention
  - viii. Media Filter
  - ix. High-Rate Biofiltration
  - x. High-Rate Media Filtration
  - xi. Hydrodynamic Separation Devices
  - xii. Oil/Grit Separators and Baffle Boxes
  - xiii. Permeable Friction Course
  - xiv. Porous/permeable Pavement
- c. Does the project use any of the following to reduce transportation-related emissions?
  - i. Increases integration of alternative fuels
    - 1. Electric vehicle infrastructure
      - a. Has the utility been contacted/involved in project development?
        - i. Yes.
        - ii. No.
      - b. Level of charging
        - i. Level 1
        - ii. Level 2
        - iii. DC Fast Charging
    - 2. Hydrogen, natural gas, etc. infrastructure
      - a. Has the utility been contacted/involved in project development?
        - i. Yes.
        - ii. No.

ii. VMT Reductions

1. Ratios of # of lanes/capacity and AADT; current and projected
  - a. Project capacity ratio matches that of AADT needs
  - b. Project capacity ratio exceeds AADT needs
2. Decreasing Single Occupancy Vehicle trips
  - a. Project includes opportunities for carpooling/van sharing
  - b. Project incorporates Complete Street design elements
    - i. Green street design
3. Other, not listed, VMT reduction elements

iii. Increases opportunities for multi-modal trips/encourages mode-shift based on project area density

1. Project priority is active transportation
2. Project is a Safe Route to School
3. Project includes consideration of first and last-mile alternative transportation, including:
  - a. Micro-transit
  - b. Bike-share station
  - c. Sidewalks with canopy coverage
  - d. Streetlights

#### 4. Further the health, safety, and well-being of all residents in the region

- a. The project includes the following speed management elements:
  - i. Automated Speed Enforcement –
  - ii. Variable Speed Limits –
  - iii. Street/road designed for 25 mph or less –
- b. The project includes the follow roadway departure safety elements:
  - i. Wider Edge Lane (rural road only) –
  - ii. Safety Edge (rural road only) –
  - iii. Enhanced Delineation for Horizontal Curves (rural roads only) –
  - iv. Roadside Design Improvements including flattening slope and clear zones at Curves (rural roads only) –
  - v. Rumble Strips and Stripes –
  - vi. Median Barriers –
  - vii. Pavement Friction Management –
- c. The project includes the following intersection safety features:
  - i. Roundabouts –
  - ii. Reduced driveway access points along street/road –
  - iii. Retroreflective Boards on traffic signals –
  - iv. Dedicated Left- and Right-Turn lanes –
  - v. Reduced Left-Turn Conflict Intersection (rural roads only) –
- d. The project includes the following pedestrian and bicyclist safety features
  - i. Flashing crosswalks or active warning beacons
  - ii. Balustrades (or similar)
  - iii. Grade separation
  - iv. Pedestrian or bicycling markings/stripping
  - v. Curb extensions
  - vi. Median/pedestrian refuge islands
  - vii. 4-Lane to 3-Lane Road Diet conversion
  - viii. Leading pedestrian interval?

**Questions Scored by Funding Subcommittee:**

- A. Describe how this project supports the economic vitality of the metropolitan area?
- B. Describe how this project improves the mobility and quality of life of area residents?
- C. Describe the public outreach and engagement implemented as part of this project? What effort was made to reach out to disadvantaged residents?
- D. Describe how this project experiments with/or implements an innovation to address a regional challenge?
- E. Describe how this project improves environmental health of the region and the public.



October 2022  
Item No. 8

**ISSUE: Upcoming Events**

REPORT: Report on upcoming events of regional interest.

**BACKGROUND:**

Staff will highlight upcoming events, trainings and other opportunities of interest to representatives of MPO member governments.

**RECOMMENDATION:**

None. Report and discussion only.

**STAFF CONTACT:**

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(515) 334-0075