

NOTICE OF MEETING

Des Moines Area Metropolitan Planning Organization (MPO)
 Transportation Technical Committee (TTC)
 Engineering Subcommittee
 1:30 p.m., Monday, August 21, 2017
 Des Moines Area MPO Mead Conference Room

TENTATIVE AGENDA

1. **Call To Order**
2. **VOTE: Approval of Agenda**
3. **VOTE: Approval of Meeting Minutes**..... Page 2
 - Approve the June 19, 2017, meeting minutes.
4. **REPORT: Traffic Analysis Zones (TAZ) Update**..... Page 5
 - Discussion regarding updating Traffic Analysis Zones (TAZs) as part of the upcoming model and Long-Range Transportation Plan update.
5. **REPORT: Long-Range Transportation Plan Update** Page 6
 - Discussion regarding the update to *Mobilizing Tomorrow*, the MPO’s long-range transportation plan update.
6. **REPORT: Regional Water Trails Study Update** Page 7
 - Draft of expected deliverables for regional study and public input process.
7. **REPORT: Draft MPO Safety Performance Report**..... Page 8
 - Discussion regarding the Crash Performance Report for the MPO Planning area for 2012-2016.
8. **UPDATE: Regional Stormwater Policy** Page 9
 - Update on the kick-off of the regional storm water policy work with Capital Crossroads.
9. **Other Non-Action Items of Interest to the Committee**
10. **Next Meeting Date**
 - 10:00 a.m., Monday, September 18, 2017, Des Moines Area MPO Office.
11. **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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August 2017
Item No. 3

ISSUE: Approval of Meeting Minutes

VOTE: Consider approval of the June 19, 2017, Engineering Subcommittee meeting minutes.

BACKGROUND:

The minutes of the June 19, 2017, Engineering Subcommittee meeting are included on the following pages.

RECOMMENDATION:

Approve the minutes of the June 19, 2017, Engineering Subcommittee meeting.

STAFF CONTACT:

Zach Young, zyoung@dmampo.org
(515) 334-0075

MEETING MINUTES

**Des Moines Area Metropolitan Planning Organization (MPO)
Transportation Technical Committee Engineering Subcommittee
1:30 p.m., Monday, June 19, 2017
Des Moines Area MPO Office
Mead Conference Room
Des Moines, Iowa**

Members Present:

Jon Hanson, City of Altoona
Jennifer McCoy, City of Des Moines
Matt Greiner, City of Johnston
Dave McKay, City of Urbandale
Kurt Bailey, Polk County
Joe Cory, City of West Des Moines

Members Absent:

Paul Moritz, City of Ankeny
Jeff May, City of Clive

Staff Present:

Zach Young, Principal Planner
Teva Dawson, Senior Planner
Marcus Coenen, Associate Transportation Planner

1. Call to Order

Jennifer McCoy called the meeting to order at 1:31 p.m.

2. Approval of Agenda

Subcommittee members voted to approve the meeting agenda.

3. Approval of Meeting Minutes

Subcommittee members voted to approve the March 20, 2016, meeting minutes.

4. Stormwater Discussion Follow-Up

Staff provided an overview of the meeting on May 1, 2017, noting that a summary of the meeting was sent through email. Staff discussed potential steps moving forward.

Discussion ensued regarding what role the MPO should play regarding stormwater ordinances.

5. Drones

Staff provided an overview on the potential to use drone footage for transportation projects. Staff asked the committee their thoughts on the usefulness of drone footage for transportation projects.

Dave McKay noted that Urbandale has used drones to evaluate construction projects. Staff asked if there was a use for them outside of construction projects and used school drop-off and pick-up as an example.

6. Commuting and Congestions Report

Staff provided a report on the update Commuting and Congestion Report.

7. Other Non-Action Items of Interest

None.

8. Next Meeting Date

July 17, 2017, at 1:30 p.m.

9. Adjournment

The meeting adjourned at 2:02 p.m.

August 2017
Item No. 4

ISSUE: Traffic Analysis Zones (TAZ) Update

REPORT: Discussion regarding updating Traffic Analysis Zones (TAZs) as part of the upcoming model and Long-Range Transportation Plan update.

BACKGROUND:

MPO staff in conjunction with the update of the Long-Range Transportation Plan is undertaking an update of the traffic demand model for the region. The model is a four-step model consisting of trip generation, trip distribution, mode split, and traffic assignment. As part of the update to the model, traffic analysis zones (TAZs) – the geographic area used to determine traffic productions and attractions in the region – will be reviewed and updated to improve the model outputs.

The update to the traffic demand model will alter the method for trip generation to existing land use classifications and future planned land uses, improving the ability to adapt to changes over time and incorporate elements of the Iowa Statewide Model Standardization process being developed by the Iowa DOT.

MPO staff will discuss changes to the trip generation process as it relates to land uses and how that impacts the development of TAZs. Staff will also discuss current efforts to modify TAZs as part to the traffic demand model update process.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:

Marcus Coenen, mcoenen@dmampo.org
(515) 334-0075

August 2017
Item No. 5

ISSUE: Long-Range Transportation Plan Update

REPORT: Discussion regarding the update to *Mobilizing Tomorrow*, the MPO's long-range transportation plan update.

BACKGROUND:

MPO staff is in the process of update *Mobilizing Tomorrow*, the regions long-range transportation plan. The plan update is due to the Federal Highway Administration in September 2019. Staff will provide an overview of the State of the Transportation System story map, timeline, public outreach, performance measures, and growth scenario at the August meeting.

[The tentative timeline for the update is located on the MPO website \(click to access\).](#)

[The draft performance measures are located on the MPO website \(click to access\).](#)

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:

Zach Young, zyoung@dmampo.org
(515) 334-0075

August 2017
Item No. 6

ISSUE: Regional Water Trails Study Update

REPORT: Draft of expected deliverables for regional study and public input process.

BACKGROUND:

The two engineering teams for the water trails study have spent the summer gathering data and researching feasibility of the recommendations in the plan:

- ISG has drafted a final product for Beaver Creek as a model for future streams. Drafts for all streams are expected to be complete in mid-October. Staff welcomes feedback on the prototype report to be given to cities;
- The downtown team has begun modeling potential solutions for downtown. They expect to have feasible options for in-stream solutions prepared by mid-September and edge of stream concepts by mid-October; and,
- Both teams will conduct public input the week of October 17. MPO staff has prepared a list of potential stakeholders to participate in stakeholder workshops. Staff seeks feedback on the public input process.

[The ISG draft for Beaver Creek is available on the MPO website \(click to access\).](#)

RECOMMENDATION:

None. Discussion only.

STAFF CONTACT:

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(515) 334-0075

August 2017
Item No. 7

ISSUE: Draft Crash Data Report

REPORT: Discussion regarding the Crash Performance Report for the MPO Planning area for 2012-2016.

BACKGROUND:

MPO staff has reviewed 2006-2016 crash data for all public roads in Dallas, Madison, Polk, and Warren Counties. Staff analyzed crashes using GIS data provided by the Iowa Department of Transportation (DOT). Crash data can help identify roadway types that tend to be most at risk. Crash-based metrics, such as number of fatalities/major injuries and fatality/major injury rates, have become common performance measures in transportation planning.

In addition to vehicle crash data, staff analyzed bicycle and pedestrian crash data for the region.

RECOMMENDATION:

None. Discussion only.

STAFF CONTACT:

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August 2017
Item No. 8

ISSUE: Regional Stormwater Policy

UPDATE: Update on the kick-off of the regional storm water policy work with Capital Crossroads regarding the update to *Mobilizing Tomorrow*, the MPO's long-range transportation plan update.

BACKGROUND:

MPO staff has been working on behalf of the Polk Soil and Water Conservation District and area watershed management authorities to implement policy recommendations from area watershed plans. Staff and elected officials from the region chose to work as a region on an update to post-construction stormwater policies. On June 1, MPO staff facilitated a group of area staff around the region to discuss the opportunities and challenges with changes in stormwater management policies.

The MPO is collaborating with the Capital Crossroads Local Government Collaborative to convene area experts to write a policy for the region to adopt. Concurrently, the MPO will assist with educating area staff and elected officials on the likely changes. This effort will kick-off in September. Staff will review the timeline of the effort and expected outcomes.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:

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