NOTICE OF MEETING
Des Moines Area Metropolitan Planning Organization (MPO)
Transportation Technical Committee
–
9:30 a.m., Thursday, January 9, 2020
Des Moines Area MPO Burnham Conference Room
–
TENTATIVE AGENDA

1. Call To Order
2. VOTE: Approval of Agenda
3. VOTE: Approval of Meeting Minutes ........................................................................ Page 2
   • Approve the December 5, 2019, meeting minutes.
4. PRESENTATION: First Lego League Team ................................................................ Page 5
   • Members of the First Lego League Team will present regarding their autonomous vehicles project.
5. PRESENTATION: Des Moines International Airport Parking Garage Navigation System .......... Page 6
   • Airport staff will discuss the new parking garage navigation system.
6. REPORT: Fiscal Year 2021 Unified Planning Work Program and Budget .......................... Page 7
   • Report on the process for developing the Fiscal Year 2021 work program and budget.
7. REPORT: Surface Transportation Block Grant (STBG) Program Schedule ......................... Page 8
   • Report on the Federal Fiscal Year 2023 Surface Transportation Block Grant (STBG) Program Schedule.
8. REPORT: Priority Project List for Annual D.C. Trip .......................................................... Page 9
   • Report and discussion regarding the priority project list for the Greater Des Moines Partnership’s annual trip to D.C.
9. REPORT: Safety Targets ........................................................................................................ Page 10
   • Report on the 2016-2020 safety targets for the Des Moines Area Planning Area.
10. REPORT: Trail Map Update ................................................................................................. Page 11
    • Report and discussion regarding the process on current Trail Map Update
11. REPORT: Illustrative Project List .......................................................................................... Page 12
    • Report and discussion regarding amending the Long-Range Transportation Plan to include an illustrative project list.
12. REPORT: Upcoming Events ................................................................................................. Page 13
13. Other Non-Action Items of Interest to the Committee
14. Next Meeting Date – February 6, 2020, at 9:30 a.m.
15. Adjournment
ISSUE: Approval of Meeting Minutes

VOTE: Consider approval of the December 5, 2019, MPO Technical Committee meeting minutes.

BACKGROUND:

The minutes of the December 5, 2019, MPO Technical Committee meeting are included on the following pages.

RECOMMENDATION:

Approve the minutes of the December 5, 2019, MPO Technical Committee meeting.

STAFF CONTACT:

Tracey Deckard, tdeckard@dmampo.org
(515) 334-0075
MEETING MINUTES
Des Moines Area Metropolitan Planning Organization Transportation Technical Committee
9:30 a.m., Thursday, December 5, 2019
Des Moines Area MPO Burnham Conference Room

The MPO TTC held a meeting at 9:30 a.m., December 5, 2019, at the Des Moines Area MPO Burnham Conference Room. Before the meeting, the MPO staff emailed agenda packets to the TTC representatives and posted the agenda at the MPO office on November 26, 2019.

Representatives Present:
John Dostart | City of Altoona
Paul Moritz | City of Ankeny
Maggie Murray | City of Bondurant
Jeff Schug | City of Carlisle
Jeff May | City of Clive
John Davis | City of Des Moines
Michael Ludwig | City of Des Moines
Steve Naber | City of Des Moines
Tony Filippini | DART
Charlie Dissell | City of Indianola**
Matt Ahrends | City of Grimes
Dave Wilwerding | City of Johnston
Tom Leners | Madison County**
Madeline Sturms | City of Pleasant Hill
Bret VandeLune | Polk County
Jenny Gibbons | City of Polk City
Dave McKay | City of Urbandale
David Carroll | Warren County
Brad Deets | City of Waukee
Kara Tragesser | City of West Des Moines
Eric Petersen | City of West Des Moines
Dalton Jacobus | City of Windsor Heights
Andy Loonan | IDOT

Staff Present:
Todd Ashby | Executive Director
Dylan Mullenix | Assistant Director
Zach Young | Planning Manager
Andrew Collings | Principal Planner
Tracey Deckard | Office Manager
Sreyoshi Chakraborty | Senior Planner
Allison van Pelt | Associate Planner
Zhi Chen | Associate Planner
Gunnar Olson | Communications Manager
Tanvi Halde | Intern

Others Present:
Clifford Leonard | Public

Representatives Absent:
Mark Mueller | City of Ankeny
Anthony Bellizzi | City of Cumming**
Al Miller | Dallas County
Julia Castillo | HIRTA
Wayne Patterson | City of Mitchellville
Luke Parris | City of Norwalk
Allan Adams | City of Van Meter
Bryan Mulcahy | DSM International Airport
Darla Hugaboom | FHWA
Mark Bechtel | Federal Transit Administration*
* Non-Voting, Advisory Representative
** Non-Voting, Associate Representative
1. **Call to Order**  
MPO TTC Chair recognized a quorum and called the December 5, 2019, meeting to order at 9:32 a.m.

2. **Approval of Agenda**  
**MOTION:** A motion was made and seconded to approve the December 5, 2019 MPO TTC’s meeting agenda.  
**MOTION CARRIED UNANIMOUSLY**

3. **Approval of Meeting Minutes**  
**MOTION:** A motion was made and seconded to approve the MPO TTC November 7, 2019 meeting minutes.  
**MOTION CARRIED UNANIMOUSLY**

4. **Presentation: Des Moines International Airport Parking Garage Navigation System**  
To be rescheduled

5. **Surface Transportation Block Grant (STBG) Program Schedule**  
Staff presented. Report and discussion only.

6. **Water Investment Mapping Project**  
Staff presented. Report and discussion only.

7. **DRAFT 2019 Central Iowa Trail Condition Report**  
Staff presented. Report and discussion only.

8. **Iowa Data Bike 2.0**  
Staff presented. Report and discussion only.

9. **Calendar Year 2020 Meeting Date- revision**  
Staff presented. Report and discussion only.

10. **Upcoming Events**  
Information only.

11. **Other Non-Action Items of Interest to the Committee**  
Assistant Director Dylan Mullenix advised that additional funds would be available regarding the VW settlement. More information to follow.

12. **Next Meeting Date**  
The next meeting will be held at 9:30 a.m., on Thursday, January 9, 2020.

13. **Adjournment**  
**MOTION:** A motion was made and seconded to adjourn the MPO TTC’s December 5, 2019 meeting; the TTC Chair adjourned the meeting at 10:11 a.m.  
**MOTION CARRIED UNANIMOUSLY**
PRESENTATION: First Lego League Team

PRESENTATION: Presentation from the First Lego League Team regarding their autonomous vehicles project.

BACKGROUND:

FIRST LEGO League (FLL) is an accessible, guided, global robotics competition, helping students and teachers to build a better future together. The program is built around theme-based Challenges to engage children ages 9 to 16 in research, problem solving, coding, and engineering. The foundation of the program is the FIRST Core Values, which emphasize teamwork, discovery, and innovation.

A FLL team from the Des Moines Schools has been nominated for a Global Innovation Award and will be competing at the State Level on January 19th with the opportunity to compete for the world championship if they are successful. The team’s project focuses on autonomous vehicles.

They reached out to staff and requested the opportunity to present to the MPO regarding their project.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACTS:

Dylan Mullenix, dmullenix@dmampo.org; (515) 334-0075
PRESENTATION: Des Moines International Airport Parking Garage Navigation System

PRESENTATION: Presentation and discussion of the Des Moines International Airport Parking Garage Navigation System

BACKGROUND:

A Des Moines International Airport representative will discuss the airport’s new parking garage navigation system. This $838,000 system includes nearly 1400 individual sensors and 27 directional signs to provide real-time information assistance to motorists by finding empty parking spaces quickly and is an example of Smart City technology.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACTS:

Dylan Mullenix, dmullenix@dmampo.org; (515) 334-0075
I ISSUE: **Fiscal Year 2021 Unified Planning Work Program and Budget Development**

REPORT: Discussion of the process to develop the next work program and budget.

BACKGROUND:

MPO staff is beginning to develop the *Fiscal Year 2021 Unified Planning Work Program* (FY 2021 UPWP) and budget, which will document all planning activities the MPO will perform from July 1, 2020, through June 30, 2021. The Iowa Department of Transportation (DOT) requires the UPWP to describe the MPO’s proposed planning activities – including task objectives, previous work, project descriptions, and work products – as well as the budget and funding sources to carry out the planning activities. The Iowa DOT requires the MPO to submit a draft UPWP by April 1, 2020, and a final UPWP by June 1, 2020.

The MPO staff asks for input from member governments and participating agencies on planning tasks for FY 2021 throughout the development of the UPWP. In particular, MPO staff would welcome any proposals for special studies, plans, or other activities, as well as requests for local planning assistance.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:

Dylan Mullenix, dmullenix@dmampo.org  
(515) 334-0075
ISSUE: Surface Transportation Block Grant (STBG) Program Schedule

REPORT: Report on the Federal Fiscal Year 2024 Surface Transportation Block Grant (STBG) Program Schedule.

BACKGROUND:

The MPO will award Surface Transportation Block Grant (STBG) Program funds to critical projects throughout the region. The MPO will begin the process for selecting and awarding Federal Fiscal Year (FFY) 2024 STBG funds in December 2019.

Applications, guidelines, schedule and scoring criteria were posted on the MPO website on December 5, 2019. Completed applications are due to the MPO office by January 17, 2020.

The applications and guidelines are available on the MPO website (click to access).

Project applicants will present their projects to the Funding Subcommittee on February 26, 2020, from 1:30 to 4:30 p.m.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACTS:

Zach Young, zyoung@dmampo.org;
(515) 334-0075
ISSUE: Priority Project List for Annual D.C. Trip

REPORT: Report on the priority projects and policies submitted for the Greater Des Moines Partnership’s annual trip to Washington D.C.

BACKGROUND:

The MPO staff annually works with MPO member governments and participating agencies to develop a list of priority transportation projects to discuss with congressional members during the Greater Des Moines Partnership’s (GDMP) annual trip to Washington, D.C.

Staff will begin the project and policy solicitation process in October. Key dates in the process are as follows:

- October – Solicit changes to the existing project list from member governments. Changes are due by November 15, 2019;
- December/January – Draft project listing provided to MPO committees for discussion;
- January – Surface Transportation Program (STP) Funding Subcommittee meets to identify priority projects from the assembled listing;
- February – MPO committees take action to approve the project listing and priority projects;
- March/April – GDMP publishes the Policy Book; and,
- May 6-8, 2020 – GDMP Trip to Washington D.C.

The complete list of priority projects is available on the MPO website (click to access).

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:

Zach Young, zyoung@dmampo.org
(515) 334-0075
ISSUE: Safety Targets

REPORT: Consider approval of the 2016-2020 safety performance targets.

BACKGROUND:

In April 2016, the Federal Highway Administration (FHWA) released the final rulemaking for safety performance measures for the Highway Safety Improvement Program (HSIP). Included in the rulemaking are definitions of key terms, the applicability of the rule, and guidance on how to establish performance targets, determine if progress is achieved, and reporting targets for the HSIP. The rulemaking established two options for MPO targets: 1) support the Statewide targets or 2) establish targets for the planning area.

In August 2019, the Iowa Department of Transportation (DOT) established statewide performance targets for the 2016-2020 time-period. These targets take into consideration crashes throughout the entire state and are reported in the HSIP. The Des Moines Area MPO had 180 days to make a determination to support or set its own targets. Staff consulted the MPO Planning Subcommittee and the Engineering Subcommittee in October 2019 to continue to establishing targets for the planning area. This new report provides updated information and targets which must be adopted prior to February 27, 2020.

Staff recommends the following targets for the Des Moines Area Planning Area for the 2016-2020 time-period. Staff will provide a full report documenting the safety target setting process prior to the February 2020 meeting.

<table>
<thead>
<tr>
<th>Performance Measures</th>
<th>Five Year Rolling Averages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2014-2018 Baseline</td>
</tr>
<tr>
<td>Number of Fatalities</td>
<td>26.8</td>
</tr>
<tr>
<td>Fatality Rate*</td>
<td>0.562</td>
</tr>
<tr>
<td>Number of Serious Injuries</td>
<td>178.6</td>
</tr>
<tr>
<td>Serious Injury Rate*</td>
<td>3.756</td>
</tr>
<tr>
<td>Non-Motorized Fatalities and Serious Injuries</td>
<td>26.2</td>
</tr>
</tbody>
</table>

*Rates are per 100 million vehicle miles traveled (VMT)

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:
Zhi Chen, zchen@dmampo.org, (515) 334-007
ISSUE: Trail Map Update

REPORT: Report and discussion regarding the process of seeking input on the current Trail Map Update

BACKGROUND:

Every year the MPO and the Central Iowa Bike Ped Roundtable solicits input on recent trail projects in order to update trail mapping information for the region. Various communities, agencies as well as the State rely on updated trail information in order to create their own bicycle and pedestrian facilities map.

This year, the MPO in collaboration with the City of Des Moines, is using a web based application to request input on new trails and non-motorized projects that have been completed last year. The application can be accessed by clicking here.

RECOMMENDATIONS:

None. Report and discussion only.

STAFF CONTACT:

Sreyoshi Chakraborty, schakraborty@dmampo.org;
(515) 334-0075
ISSUE: Illustrative Project List

REPORT: Discussion regarding amending the Long-Range Transportation Plan to include an illustrative project list.

BACKGROUND:

The MPO Policy Committee approved the Long-Range Transportation Plan update at their November 21, 2019, meeting. At the meeting, the committee discuss the lack of a north-south thoroughfare in the metro. The extension of Martin Luther King Jr Boulevard north was specially mentioned as an option and the committee requested that staff being the process of looking at amending the plan to include the MLK extension north as an illustrative project in the plan.

Staff is requesting that the Technical Committee provide other projects of an illustrative nature that would be included in an amended appendix to the Long-Range Transportation Plan. This amendment will be subject to a 45-day public comment period and will be taken up by the committees early next year.

Staff requests that these projects be submitted by January 24, 2020.

RECOMMENDATIONS:

None. Report and discussion only.

STAFF CONTACT:

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

Iowa Safe Routes to Schools Conference

The Iowa Safe Routes to School conference will focus on successful Safe Routes to Schools programs, how to mobilize volunteers, grant writing, and more. Stay tuned for more details. The conference will be held 10 a.m. to 3 p.m. January 23 at Des Moines Area MPO offices. Lunch will be available for purchase during registration ($12), or maps will be provided for lunch on your own. To register visit https://www.eventbrite.com/e/2020-iowa-safe-routes-to-school-conference-tickets-83356819491.

RECOMMENDATION:

None. Report and discussion only.

STAFF CONTACT:

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