

# Public Works Monthly Status Report

## For November 2016

### PROJECTS

Project	Task	Date Complete	Est. Budget	Notes
Sunset Ter. - Phase 1	Sanitary Sewer Main Cleaned between 6510 & 6603	11/23/16		
Sunset Ter. - Phase 1	Review of Pay Application #4	in prog		Will not submit for Dec.5th Meeting
CEC Lights (Interior)	Retrofit pendant lights w/dim	Approved	\$20,000	Lights will be delivered end of Dec.
CEC Lights (Exterior)	Wall pack & Downlight LED conv	Design	\$2,200	Materials only
ATS-Enforcement Cam	Providing technical support to Public Safety	Pre-Con	\$6,000	Planning for Early Dec. meeting
Colby Park Playground	Obtaining Bids/decking lost in June 2015 flood	Bids	\$3,500	Contracted cost
Colby Park Parking Lot	Obtaining Bids/Bridge lost in June 2015 flood	Bids	\$6,500	Contract to replace rotted floor w/Conc
Lion Park Gazebo	Obtaining Bids/ gazebo floor replacement & maint	Bids		

### OPERATIONS

Task	Description	Est. Complete Date	Est. Budget	Notes
Iowa One Call mapping	Need to update One Call maps for efficiency	1/1/17	N/A	Need to Schedule work
Pub Safety- Concrete	Replace walkways on east side of bldg.	Scope	\$1,000	Materials Only
Permit Inspections	Fence/Drive/ROW/Shed/Street	Ongoing		
PW-Shop OHD	Over Head Door Replacement	Bids	\$16,000	
PW-Street Lights	Install Holiday lights on poles along University Ave.	Completed		
Colby Park- Playground	Ordered semi-load of mulch for playground			Delivery scheduled for Dec. 2nd
Colby Park- Tennis	Tennis court nets will be taken down	12/5/16		Scheduled for Dec. 5th
Irrigation Systems	Irrigation Systems have been winterized	11/18/16	\$270	

### INFORMATION

Source	Task	Estimated Start Date	Est. Budget	Notes
PW- Staff Training	Winter Training Session put on by City of WDSM	12/14/16	\$210	Dec. 13-14- Agenda Attached
ISWEP-Training	2nd Annual Stormwater Summit- Marion, Ia	12/6/16	\$145	Dec. 6th- Tentative
MPO_Tech Meeting	Monthly Meeting Nov. Minutes	12/1/16		Agenda Attached
Walnut Creek	Water Shed- Meeting	12/5/16		Rescheduled to Jan. 23rd
WRA_Tech Meeting	Wastewater Reclamation Authority	11/8/16		Agenda Attached
IABO_Meeting	Iowa Association of Building Officials- Meeting	11/10/16		Agenda Attached
UWHD	UWHD Sewer Dist- Meeting	10/18/16		Developing SOP for maintenance



# Iowa Stormwater Summit

## Urban Drainage: Past, Present & Future

December 6, 2016 9:00 – 6:30  
 December 7, 2016 8:30 – 4:00  
 Prairie Oak Lodge, Squaw Creek Park  
 4305 Squaw Lane, Marion



Hosted by:



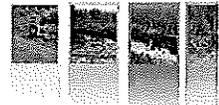
Hiawatha!

Join ISWEP's Annual Iowa Stormwater Summit in Eastern Iowa this year - which is a combination of conference and training. Day 1 starts with Iowa Drainage Law in an Urban Context and ends with ISWEP's Annual Member Meeting and Networking. Day 2 is an opportunity to join the ranks of Iowa Certified SWPPP Designer.

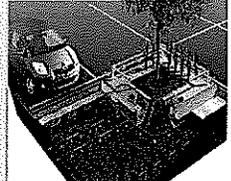
### Iowa Stormwater Summit Agenda

#### December 6, 2016

- 9:00 – 9:10 Welcome, Matt Greiner, City of Johnston, ISWEP Board President
- 9:10 – 10:30 Iowa Drainage Law in an Urban Context – **Brick Gentry Law, City of Cedar Rapids & Des Moines**
- 10:30 – 10:45 BREAK
- 10:45 – 11:45 Happy [stormwater ordinance] Anniversary – lessons learned over 40 years, **City of Iowa City**
- 11:15 – 11:45 Mapping, Stories and Green Infrastructure, **Iowa Economic Development Authority**
- 11:45 – 12:45 LUNCH & Economics of GI - including maintenance costs! **Impact Infrastructure**
- 12:45 – 1:45 Right-of-Way Solutions
  - Intake Infiltration Basins, **City of Johnston**
  - Going underground at the curb, **GreenBlue Urban**
- 1:45 – 2:15 Working on a watershed level
  - Multi-jurisdictional approach to policy, planning and practices **Polk SWCD**
- 2:15 – 4:00 Technological Resources for Stormwater – one update & two new
  - GP#2 On-Line Inspection Update, **Chad Arp**
  - Urban stormwater modeling system, **GeoTree – University of Northern Iowa**
  - BREAK
  - Iowa Native Plant App, **ISWEP**
- 4:30 – 6:30 ISWEP Annual Meeting, Toolbox Distribution & Dinner (on your own) - **Cibo Fusion Marion**



Iowa Drainage Law Manual



#### December 7, 2016

- 8:30 – 4:00 Iowa Certified SWPPP Designer



## Register On-Line at [IowaStormwater.Org](http://IowaStormwater.Org)

Day One: \$50 / Both Days \$190 (ISWEP Members: \$25 / \$145)

Questions? Contact Stacie Johnson – [sjohnson@iowastormwater.org](mailto:sjohnson@iowastormwater.org) or 319-360-1395

**MEETING MINUTES**

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

**9:30 a.m., Thursday, November 3, 2016**

**Des Moines Area MPO Burnham Conference Room**

The MPO TTC held a meeting at 9:30 a.m., November 3, 2016, 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 September 29, 2016 at 11:33 a.m.

**Representatives Present:**

Jon Hanson | City of Altoona  
Paul Moritz | City of Ankeny  
Eric Jensen | City of Ankeny  
Lori Dunham | City of Bondurant  
Jeff Schug | City of Carlisle  
Jeff May | City of Clive  
Doug Ollendike | City of Clive  
Jennifer McCoy | City of Des Moines  
Mike Ludwig | City of Des Moines  
Ethan Standard | DART  
Dave Sigler | City of Grimes  
John Gade | City of Grimes  
Matt Greiner | City of Johnston  
David Wilwerding | City of Johnston  
Tom Leners | Madison County\*\*  
Luke Parris | City of Norwalk  
Ben Champ | City of Pleasant Hill  
Bret VandeLune | Polk County  
Kurt Bailey | Polk County  
Dave McKay | City of Urbandale  
John Larson | City of Urbandale  
Steve Franklin | City of Urbandale  
David Carroll | Warren County  
Andy Kass | City of Waukee  
Brad Deets | City of Waukee  
Joe Cory | City of West Des Moines  
Doug Stone | City of Windsor Heights  
Mike Clayton | IDOT

**Representatives Absent:**

John Shaw | City of Altoona  
Mark Mueller | City of Ankeny  
Anthony Bellizzi | City of Cumming\*\*  
Murray McConnell | Dallas County  
Pamela Cooksey | City of Des Moines  
Brian Belt | DSM International Airport  
Julia Castillo | HIRTA  
Chuck Burgin | City of Indianola\*\*  
Wayne Patterson | City of Mitchellville  
Dennis Dietz | City of Polk City  
Duane Wittstock | City of West Des Moines  
Kara Tragesser | City of West Des Moines  
Mark Bechtel | Federal Transit Administration\*  
Sean Litteral | FHWA  
\* Non-Voting, Advisory Representative  
\*\* Non-Voting, Associate Representative

**Others Present:**

John Swanson | Polk County Soil & Water  
Clifford Leonard | Public

**Staff Present:**

Todd Ashby | Executive Director  
Dylan Mullenix | Assistant Director  
Teva Dawson | Senior Planner  
Tracey Deckard | Office Manager  
Andrew Collings | Associate Transportation Planner  
Mike Armstrong | Associate Transportation Planner  
Marcus Coenen | Associate Transportation Planner  
Gunnar Olson | Communications Manager

1. **Call to Order**  
MPO Chair Jennifer McCoy recognized a quorum and called the November 3, 2016, meeting to order at 9:32 a.m.
2. **Approval of Agenda**  
MOTION: A motion was made and seconded to approve the MPO TTC's November 3, 2016 meeting agenda.  
MOTION CARRIED UNANIMOUSLY
3. **Approval of Meeting Minutes**  
MOTION: A motion was made and seconded to approve the MPO TTC October 6, 2016 meeting minutes.  
MOTION CARRIED UNANIMOUSLY
4. **PRESENTATION: Polk County Soil and Water Conservation District**  
Presentation by John Swanson.  
*[Matt Greiner arrives 9:37 a.m.]*
5. **Greater Des Moines Water Trails and Greenways Plan**  
Staff presented. Recommend approval of the final Greater Des Moines Water Trails and Greenways Plan.  
MOTION: A motion was made and seconded to approve the final Greater Des Moines Water Trails and Greenways Plan  
MOTION CARRIED UNANIMOUSLY
6. **Iowa's Clean Air Attainment Program Applications**  
Staff presented. Recommend MPO submit a formal resolution for the FFY 2018 ICAAP project applications and submit the project applications to the Iowa Department of Transportation.  
MOTION: A motion was made and seconded to approve the formal resolution.  
MOTION CARRIED UNANIMOUSLY
7. **Federal Fiscal Year 2017-2020 Transportation Improvement Program Amendment Request**  
Staff presented. Recommend approval of the requested revisions to the FFY 2017-2020 TIP by the City of Urbandale and the Iowa DOT.  
MOTION: A motion was made and seconded to approve the formal resolution.  
MOTION CARRIED UNANIMOUSLY
8. **Federal Functional Classification System Changes**  
Staff presented. Recommend approval of the proposed changes to the FFC System.  
MOTION: A motion was made and seconded to approve the proposed changes.  
MOTION CARRIED UNANIMOUSLY
9. **Calendar Year 2016 Meeting Dates**  
Staff presented. Recommend approval of the CY 2016 meeting dates.  
MOTION: A motion was made and seconded to approve the meeting dates  
MOTION CARRIED UNANIMOUSLY
10. **DART Federal Funding Transfer Request**  
Staff presented. Recommend approval of DART's request for the transfer of \$900,000 in STBG funds to expend in FFY 2017.  
MOTION: A motion was made and seconded to approve the transfer request by DART.  
MOTION CARRIED UNANIMOUSLY
11. **FFY 2021 Surface Transportation Block Grant (STBG) Program Schedule**  
Staff presented. Report and discussion only.
12. **Critical Urban Freight Corridors**  
Staff presented. Report and discussion only.
13. **Complete Streets Tactical Starts Update**  
Staff presented. Report and discussion only.
14. **Strategic Agenda for pedestrian and Bicycle Transportation**  
Staff presented. Report and discussion only.

15. **Annual Transit Statistics**  
Staff presented. Report and discussion only.
16. **Upcoming Events**  
Staff presented. Report and discussion only.
17. **Other Non-Action Items of Interest to the Committee**  
Executive Director, Todd Ashby advised that Ethan Standard will be leaving DART and thanked him for his service on the TTC Committee.
18. **Next Meeting Date**  
The next meeting will be held at 9:30 a.m., on Thursday, December 1, 2016.
19. **Adjournment**  
**MOTION:** A motion was made and seconded to adjourn the MPO TTC's November 3, 2016 meeting; the Chair adjourned the meeting at 10:25 a.m.  
**MOTION CARRIED UNANIMOUSLY**



2016 Public Works

# SNOW AND ICE TRAINING SEMINAR

DECEMBER 13 – 14, 2016  
WEST DES MOINES, IA

## AGENDA - Operator Session

**Wednesday, December 13**  
Registration Starts at 8:30 AM

8:30 AM	Registration
9:00 – 10:00	Utilizing Technology in Winter Maintenance <i>Kevin Hensley, City of West Des Moines</i>
10:00 – 10:45	Winter Maintenance Fleet "101" <i>Bret Hodne, City of West Des Moines</i>
10:45 – 11:00	Break
11:00 – 12:00	Sustainable Deicer Strategies <i>Dr. Wilf Nixon, The Salt Institute</i>
12:00 – 12:45	Lunch (Provided)
12:45 – 2:15	Snow and Ice Control Practices <i>Mark DeVries – Vaisala</i>
2:15 – 2:30	Break
2:30 – 3:00	Group Discussion on Winter Maintenance Issues – All Attendees & Speakers

### Registration/Payment

The cost for this event is \$35 per person. Fill out the Registration/Invoice and send to:  
E-Mail: [peggy.english@wdm.iowa.gov](mailto:peggy.english@wdm.iowa.gov)  
Fax: 515-222-3478  
Pay by check as instructed on the Registration/Invoice

## AGENDA - Manager Session

**Wednesday, December 14**  
Registration Starts at 7:30 AM

7:30 AM	Registration
8:00 – 9:00	Change – It Doesn't Have to be a Bad Word! <i>Bret Hodne, City of West Des Moines</i>
9:00 – 10:00	Utilizing Technology in Winter Maintenance <i>Kevin Hensley, City of West Des Moines</i>
10:00 – 10:15	Break
10:15 – 11:15	Weather and the Impacts on Winter Operations <i>Jon Tarleton – Vaisala</i>
11:15 – 12:15	Safe and Sustainable Snowfighting <i>Dr. Wilf Nixon – The Salt Institute</i>
12:15 – 1:00	Lunch (Provided)
1:00 – 2:00	Starting Over – A Case Study on Rebuilding a Winter Maintenance Program <i>Bryan Beitzel – Buffalo Grove, IL</i>
2:00 – 2:15	Break
2:00 – 3:30	Strategies for Dealing with Snow and Ice <i>Mark DeVries – Vaisala, Bret Hodne – City of West Des Moines</i>
3:30 – 4:00	Open Discussion on Winter Maintenance Issues All Attendees & Speakers



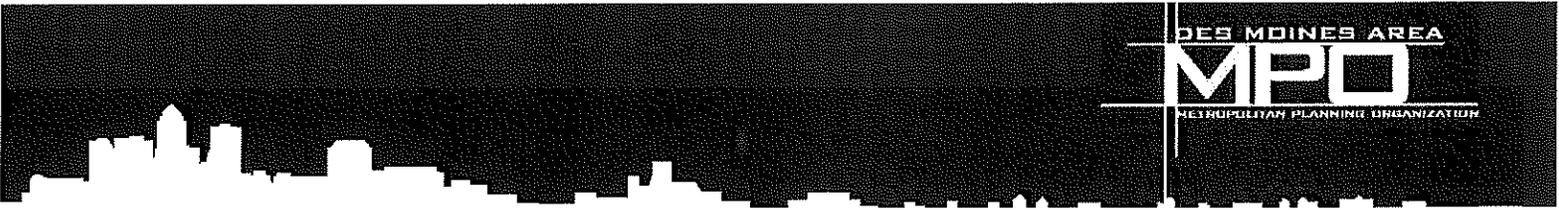
**Location**  
DECADES EVENT CENTER  
1208 Grand Avenue  
West Des Moines, IA 50265

Please register by Dec. 5th

Thank You to our Sponsors:  
**VAISALA THE SALT INSTITUTE**

## Who Should Attend

- Public Works Superintendents, Managers, Directors
- Anyone Responsible for Winter Maintenance
- Snow Plow Operators



## NOTICE OF MEETING

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

–  
9:30 a.m., Thursday, December 1, 2016  
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 November 3, 2016, meeting minutes.
4. PRESENTATION: Proposed State of Iowa Stream Mitigation Method ..... Page 3
  - A presentation by Iowa DNR Hydrology Resources Coordinator Tim Hall regarding the draft Iowa Stream Mitigation Method.
5. PRESENTATION: Clive Stormwater Ordinances..... Page 4
  - A presentation City of Clive staff to discuss passage of new stormwater management requirements including the post-construction stormwater management ordinance.
6. REPORT and OPTIONAL VOTE: *Federal Fiscal Year 2017-2020 Transportation Improvement Program Amendment Request* ..... Page 5
  - Report regarding the City of Altoona and MPO staff's requests to amend the *Federal Fiscal Year 2017-2020 Transportation Improvement Program*; consider approval.
7. REPORT: Legislative Agenda ..... Page 6
  - Report and discussion on the projects and policies submitted for the federal legislative agenda to be part of Greater Des Moines Partnership's annual trip to Washington D.C., as well as the state legislative agenda.
8. REPORT: Best Practice Series – Sharrows..... Page 7
  - Report on current best practices on the use and effectiveness of sharrow markings.
9. REPORT: Vehicle Miles Traveled Performance Data ..... Page 8
  - Discuss data included in the next performance measure report on vehicle miles traveled data.
10. INFORMATION: Calendar Year 2017 Nominating Committee ..... Page 9
11. REPORT: Upcoming Events ..... Page 10
12. Other Non-Action Items of Interest to the Committee
13. Next Meeting Date – January 5, 2017, at 9:30 a.m.
14. 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.*

*The MPO receives federal funding and may not discriminate against anyone on the basis of race, color, or national origin, according to Title VI of the Civil Rights Act of 1964. For more information or to obtain a Title VI Complaint form, visit [www.dmanpo.org/title-vi/](http://www.dmanpo.org/title-vi/) or call 515-334-0075.*

November 2016  
Item No. 3

**ISSUE: Approval of Meeting Minutes**

VOTE: Consider approval of the November 3, 2016, MPO Technical Committee meeting minutes.

**BACKGROUND:**

The minutes of the November 3, 2016, MPO Technical Committee meeting will be provided prior to the meeting.

**RECOMMENDATION:**

Approve the minutes of the November 3, 2016, MPO Technical Committee meeting.

**STAFF CONTACT:**

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

November 2016  
Item No. 4

**ISSUE: Proposed State of Iowa Stream Mitigation Method**

**PRESENTATION:** A presentation by Iowa DNR Hydrology Resources Coordinator Tim Hall regarding the draft Iowa Stream Mitigation Method.

**BACKGROUND:**

Changes to the joint US Army Corps of Engineers and US Environmental Protection Agency's Compensatory Mitigation Rule in 2008 standardized expectations for mitigation projects and programs. Federal law requires mitigation when development activities are unable to avoid impacting jurisdictional streams and wetlands. Mitigation planning can delay road improvement projects and other construction activities that are unable to avoid impacts. In addition, organizations responsible for providing stream mitigation often have difficulty finding appropriate project sites with willing property owners. In order to make joint federal and state approval of stream mitigation projects more predictable and efficient, and to achieve long-lasting effective mitigations, the DNR has proposed modifications to Missouri's Stream Mitigation Method for use in Iowa. The Iowa Department of Natural Resources has drafted the "Iowa Stream Mitigation Method" that can be used statewide to evaluate impacts and proposed mitigations on Iowa's streams. Once finalized, this Method will provide a platform for development of stream mitigation banks or in-lieu fee programs. Such programs benefit rivers, developers, and the public by consolidating resources to produce high quality restoration projects in a timely manner.

The DNR has the draft method available and is seeking feedback before finalizing this fall. Below are links with more information about the Iowa Stream Mitigation Method. Staff from the DNR will provide an overview and answer questions.

Links to the proposed method and supporting information are included below.

- [October 14, 2016 ISMM Site Tour Presentations](#)
- [US Army Corps of Engineers: Public Notice for Iowa Stream Mitigation Method \(October 2016\)](#)
- [June 2016 - Tour Handouts](#)
- [June 2016 - Field Day Presentation](#)
- [DNR Responses to Stakeholder Questions \(Feb. 2016\)](#)
- [Iowa Stream Mitigation Program Presentation \(Jan. 2016\)](#)
- [Proposed Iowa Stream Mitigation Method \(Jan. 2016\)](#)
- [Proposed Method Calculator \(Oct 2016\)](#)
- [Table of Fish Passage Scores \(Nov. 2015\)](#)

**RECOMMENDATION:**

None. Presentation only.

**STAFF CONTACT:**

Teva Dawson, [tdawson@dmampo.org](mailto:tdawson@dmampo.org)  
(515) 334-0075

November 2016  
Item No. 5

**ISSUE: Clive's New Stormwater Management Requirements**

**PRESENTATION:** A presentation from City of Clive staff to discuss passage of new stormwater management requirements including the post-construction stormwater management ordinance.

**BACKGROUND:**

Following the recent adoption of the Walnut Creek Watershed Master Plan, which outlines six approaches to address stormwater management and soil health within the 53,000 acre watershed, the Clive City Council unanimously passed an amendment to its Post-Construction Stormwater Management Ordinance and adopted its first Stormwater Management Manual on November 10.

Doug Ollendike, Community Development Director for the City of Clive, will provide an overview of the changes and what steps he took to gain support from City Council members.

Although the City has had a long history of requiring stormwater management on development projects, the new ordinance and manual establishes a higher standard for all construction projects (both public and private) that generate more than 5,000 square feet of impervious surface area. The new standards will aid in mitigating the increased stormwater volume, rate and water quality impacts attributable from development activities while creating additional open spaces that enhance the built environment. The anticipated results from the new standards are significant:

- Little or no direct surface runoff during rainfall events less than 1.25"
- Over 95% reduction in peak flow rates for the 1- year rainfall event
- Approximately 70% reduction in peak flow rates for the 10-year rainfall event
- Approximately 20% reduction in the peak flow rates for the 100-year rainfall event
- Measureable reductions in nutrient, pathogen and sediment pollution
- Increase in integrated open space and preservation of natural resources

To learn more about the Post-Construction Stormwater Management Ordinance, the Clive Stormwater Management Manual, or the Walnut Creek Watershed Master Plan, please visit the Clive's website ([www.cityofclive.com](http://www.cityofclive.com)) or contact the Community Development Department.

**RECOMMENDATION:**

None. Presentation only.

**STAFF CONTACT:**

Teva Dawson, [tdawson@dmampo.org](mailto:tdawson@dmampo.org)  
(515) 334-0075

November 2016  
Item No. 6

**ISSUE: *Federal Fiscal Year 2017-2020 Transportation Improvement Program Amendment Request***

REPORT and OPTIONAL VOTE: Consider approval of the City of Altoona and MPO staff's requests to amend the *Federal Fiscal Year 2017-2020 Transportation Improvement Program*.

**BACKGROUND:**

The City of Altoona and MPO staff have requested the following revisions to the *Federal Fiscal Year 2017-2020 Transportation Improvement Program* (FFY 2017-2020 TIP):

Sponsor: City of Altoona

Project: Gay Lea Wilson Trail East Extension: Just north of 8th Ave SE and 1st St E to approx. 275' south of I-80.

Federal Aid Amount: \$700,000

Total Cost: \$1,564,000

Type of Funding: STBG Set Aside Program

Change: Add project to FFY 2017 of the FFY 2017-2020 TIP.

Sponsor: City of Des Moines

Project: In the City of Des Moines, SE Connector: From SE 30th to US 65

Federal Aid Amount: FFY 17: \$1,554,000, FFY 20: \$3,000,000

Total Cost: FFY 17: \$5,000,000, FFY 20: \$45,000,000

Type of Funding: STBG

Change: Remove project from the TIP. This will be added back in for the FFY 2018-2021 TIP.

A map showing the location of the projects is available on the MPO website (click to access).

The MPO staff notes that amendments to the TIP are subject to the approval of the MPO and a public comment period. The public will have a chance to comment at the December 7, 2016, Executive Committee meeting.

**RECOMMENDATION:**

Recommend approval of the requested revisions to the FFY 2017-2020 TIP.

**STAFF CONTACT:**

Andrew Collings, [acollings@dmampo.org](mailto:acollings@dmampo.org)  
(515) 334-0075

December 2016  
Item No. 7

**ISSUE: Federal and State Legislative Agendas**

**REPORT:** Report and discussion on the projects and policies submitted for the federal legislative agenda to be part of Greater Des Moines Partnership's annual trip to Washington D.C., as well as the state legislative agenda

**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.

In the past, there has been some discussion regarding the purpose of developing the priority projects list in light of the elimination of earmarks. At their September 7, 2016, meeting, the Executive Committee discussed how to approach the development of the Priority Project List for the May 2017 Greater Des Moines Partnership trip to Washington D.C. The Executive Committee agreed that continuing the process used the past few years is important and should continue. They also determined that in addition to providing a list of priority projects the list should include policy priorities to form a more holistic federal legislative agenda. MPO staff also solicited feedback on state legislative issues to help develop a state legislative agenda for the 2017 session. Staff requested that member governments submit their projects and policies by November 18, 2016.

The draft federal and state legislative agendas will be made available prior to the December meeting.

**RECOMMENDATION:**

None. Report and discussion only.

**STAFF CONTACT:**

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

December 2016  
Item No. 8

**ISSUE: Best Practice Series – Sharrows**

**REPORT:** Report on current best practices on the use and effectiveness of sharrow markings

**BACKGROUND:**

Shared lane markings, or sharrows, are a bicycle pavement marking commonly used to demarcate on-street bike routes or areas where people on bicycles are encouraged to share the lane with automobile traffic. These markings are often seen by staffs as a low-cost option for highlighting bike routes, but are also seen by advocates as inadequate or dangerous.

MPO staff will share current best practices and new research on the effectiveness and possible uses for sharrow markings, while identifying some potential pitfalls and challenges in their use.

**RECOMMENDATION:**

None. Report and discussion only.

**STAFF CONTACT:**

Mike Armstrong, [marmstrong@dmampo.org](mailto:marmstrong@dmampo.org)  
(515) 334-0075.

December 2016  
Item No. 9

**ISSUE: Vehicle Miles Traveled Performance Data**

REPORT: Discuss data included in the next performance measure report on vehicle miles traveled data.

**BACKGROUND:**

The MPO staff is continuing to report on data related to the performance measures included in Mobilizing Tomorrow. The next report features data related to Vehicle Miles Traveled (VMT).

VMT is the amount of total miles driven by all vehicles in a given area. VMT-based metrics, such as per capita VMT and crashes per VMT, have become common performance measures in transportation planning. Nationally, per capita VMT peaked in the mid-2000s and has declined since; per capita VMT in 2015 equaled early 2000s levels. However, total VMT nationally exceeded VMT during the peak years between 2005 and 2008. Factors attributed to the decline in per capita VMT include demographic changes such as retiring of the Baby Boomers, less desire among Millennial's to acquire driver's licenses, and rapid population growth.

The Iowa Department of Transportation (DOT) provides VMT data online at <http://www.iowadot.gov/maps/msp/vmt/vmt.html>. MPO staff analyzed VMT for its member governments to determine whether local trends match national trends.

[The draft VMT report can be found on the MPO's website \(click here to access\).](#)

**RECOMMENDATION:**

None. Report and discussion only.

**STAFF CONTACT:**

Marcus Coenen, [mcoenen@dmampo.org](mailto:mcoenen@dmampo.org)  
(515) 334-0075

December 2016  
Item No. 10

**ISSUE: Calendar Year 2017 Nominating Committee**

INFORMATION: Announcement of Calendar Year 2017 Nominating Committee

**BACKGROUND:**

The MPO TTC Chair traditionally appoints two MPO TTC representatives to serve on the annual Nominating Committee to prepare a slate of candidates for the election of MPO TTC Chair and MPO TTC Vice-Chair for the upcoming calendar year.

The Nominating Committee will present its recommended slate of candidates at the MPO TTC's January 5, 2017, meeting and will accept nominations from the floor. The MPO TTC will then vote on officers, with the Calendar Year 2017 Officers assuming their responsibilities at the February 2, 2017, TTC meeting.

**RECOMMENDATION:**

None. Information only.

**STAFF CONTACT:**

Dylan Mullenix, [dmullenix@dmampo.org](mailto:dmullenix@dmampo.org)  
(515) 334-0075

December 2016  
Item No. 11

**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.

- Friday, December 16 – **Daniel Parolek** will speak on the “missing middle” of housing as part of The Tomorrow Plan 2016 Speaker Series at the Age-Friendly Greater Des Moines Annual Report to the Community. Event to be held at Des Moines University. Additional details to be announced soon.

**RECOMMENDATION:**

None. Report and discussion only.

**STAFF CONTACT:**

Gunnar Olson, [golson@dmampo.org](mailto:golson@dmampo.org)  
(515) 334-0075

## NOTICE OF MEETING

### DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

Des Moines Wastewater Reclamation Facility  
3000 Vandalia Road  
Des Moines, Iowa

November 8, 2016  
1:30 p.m.

### AGENDA

- ITEM 1: Call to Order
- ITEM 2: Roll Call
- ITEM 3: Minutes for the October 11, 2016 meeting - Approval
- ITEM 4: WRA Eastside Interceptor, Phase 27, Segment 1 – Recommendation
- ITEM 5: WRA Eastside Interceptor, Phase 27, Segment 2 – Recommendation
- ITEM 6: Supplemental Agreement No. 1 to the Professional Services Agreement with HR Green, Inc. for Additional Design Phase Services for the WRA Collection System Improvements - 2016 in the Amount of \$16,850.00 – Recommendation
- ITEM 7: 2017 Meeting Schedule for the WRA Technical Committee - Approval
- ITEM 8: 2016 Preliminary WRA/WRF Flow Measurements - Information
- ITEM 9: Industrial Waste Ordinance – Information
- ITEM 10: FOG Ordinance Discussion
- ITEM 11: Other Business
- ITEM 12: Adjourn

DES MOINES WASTEWATER RECLAMATION AUTHORITY  
TECHNICAL COMMITTEE  
Draft Technical Minutes

Des Moines Wastewater Reclamation Facility  
3000 Vandalia Road  
Des Moines, Iowa

October 11, 2016  
1:30 p.m.

ITEM 1: Call to Order

Gary Patterson, Chair Person, called the October 11, 2016, Technical Committee meeting to order at 1:30 p.m.

ITEM 2: Roll Call

Technical Committee Members in Attendance

Jim Utter, Altoona  
Ken Plager, Ankeny  
Jeff May, Clive  
Shane Kinsey, Johnston  
Gary Patterson, Pleasant Hill  
Eugene Schmitt, Des Moines  
Gary Patterson, Pleasant Hill  
David McKay, Urbandale  
John Gibson, Waukee  
Felix Cardona, WRF

Others in Attendance

Scott Hutchens, Operating Contractor  
Tina Grove, Operating Contractor  
Nick Carter, Operating Contractor  
Roxane Vaughan, Operating Contractor  
Jonathan Gano, Operating Contractor  
Jason Merk, Operating Contractor  
Patrick Brown, Operating Contractor  
James Beck, Operating Contractor  
Bob Veenstra, Veenstra & Kimm, Inc.  
Wes Farrand, Snyder & Associates

ITEM 3: Minutes for the September 13, 2016 meeting – Approval

Felix Cardona made a motion to approve the minutes of the September 13, 2016, Technical Committee meeting. Jim Utter seconded the motion. The motion carried unanimously.

ITEM 4: WRA Southern Tier Low Lift Pump Station Control Gate Modifications – Contract Recommendation

James Beck explained that this project will add the ability to modulate the three influent gates at the Southern Tier low lift pump station to keep the level in the low lift wetwell constant. This additional control will prevent excessive wear and damage to the low lift pumps. Woodruff Construction, LLC of Ames, Iowa is the apparent low bidder.

David McKay made a motion to forward the WRA Southern Tier Low Lift Pump Station Control Gate Modifications project to the WRA Board for approval Tim Hoskins seconded the motion. The motion carried unanimously.

ITEM 5: Industrial Waste Ordinance – Information

Jason Merk reported that 43 inspections were conducted last month and that most of these occurred in Ankeny and in Des Moines on Douglas Ave. There was one Physical Constraint and was approved.

ITEM 6: FOG Ordinance Discussion

Scott Hutchens reported that Staff has had several requests to modify the current F.O.G. ordinance so that it doesn't put such a cost burden on new businesses. Over the next few months, staff will review the ordinance to see if any modifications need to be made to make it more financial reasonable. The current F.O.G. ordinance was created to decrease the number of grease-related sewer blockages, backups, and sanitary sewer overflows, and since the inception of the F.O.G. ordinance in 2006 there has been a dramatic decrease in sewer blockages and sanitary sewer overflows.

ITEM 7: Other Business

Scott Hutchens told the group that West Des Moines requested to have the extension of Middle Creek Sewer owned by WRA. This would be at no initial cost to the WRA, and O&M cost associated with the flow from the sewer will come from West Des Moines and Cumming.

ITEM 8: Adjourn

Moved by David McKay and seconded by Jim Utter to adjourn the meeting. The motion carried unanimously.

Meeting adjourned at 2:07 p.m.

tmg

## MEMORANDUM

November 4, 2016

To: WRA Technical Committee

From: James Beck

Re: WRA Eastside Interceptor, Phase 27, Segment 1 - Project  
Recommendation and Design Flow Approval

The WRA Eastside Interceptor, Phase 27, Segment 1 project is being brought forward to the WRA Technical Committee for a recommendation to bid. The project is the first phase of the WRA Eastside Interceptor project, which conveys flow from the WRA Westside Pump Station and Equalization Basin to the WRF. The project was identified in the WRA Facility Plan Update – 2012, and is located in the City of Des Moines along SE 30<sup>th</sup> Street from Vandalia Road to south of Dean Avenue.

### **A) Project Recommendation:**

The improvement includes construction of sanitary sewer, including all labor, of approximately 5,990 feet of 66-inch and 72-inch sanitary sewer in open cut, 938 feet of 24-inch sanitary sewer in open cut, 918 feet of 66-inch and 72-inch sanitary sewer installed in trenchless construction, manholes, special structures, storm sewer, water main, paving removal and replacement, traffic control, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents.

The engineer's estimate for this project is \$12,830,850.00 and bids will be taken on Tuesday, December 6, 2016. The bids will then be presented to the WRA Technical Committee at the December 13, 2016 meeting for review and recommendation to the WRA Board for consideration at the December 20, 2016 meeting.

The project has several intermediate completion provisions, but the work is anticipated to be fully completed by July 31, 2018.

### **B) Design Flow Approval**

Under Article VII, "Construction of Improvements", Section 7, "Recommended Design Flows", of the, "Second Amended and Restated Agreement for the Des Moines Metropolitan Wastewater Reclamation Authority" the Technical Committee shall meet and determine appropriate design flows for all improvements to be constructed under this Agreement, taking into account the needs of the affected Participating Communities and the desire to optimize the performance of the WRA System.

The recommendations of the Technical Committee with respect to the design flows shall be presented to the Board and upon Board approval, be included in the plans and specifications for the particular Improvements involved, and as stated above the Technical Committee is required to approve the design flows for all conveyance projects included in the agreement.

The total appropriate design flow capacity for the WRA Eastside Interceptor, Phase 27, Segment 1 project is presented below to the Technical Committee for review and recommendation for approval to the WRA Board at its meeting on November 15, 2016. The design flow is as follows:

<u>Phase/Community</u>	<u>Reversionary Interest (%)</u>	<u>Design Capacity (mgd)</u>
Phase 27, Segment 1		
Des Moines	65.0	44.59
Urbandale Sanitary Sewer District	12.0	8.23
Johnston	1.0	0.69
Polk County	6.0	4.12
Ankeny	12.0	8.23
Polk City	4.0	2.74
TOTAL	100.00	68.6

# IABO Chapter Meeting

November 12, 2016

## *Iowa Department of Public Safety*

*215 E 7th St, Des Moines, IA 50319*

*Conference Room 125*

### **Agenda**

---

- 8:30**      **Registration / Continental Breakfast**
- 9:00**      **Welcome – Mike Pardekooper,**  
**Roll Call and Introductions**  
**Approval of September 8, 2016 Minutes**
- 9:15-10:15**      **Communications and Board Reports**  
  
Correspondence Received  
  
Treasurer's Report  
  
State Building Code Bureau Report  
  
Iowa Department of Public Health Report  
  
Iowa Civil Rights Commission  
  
Hawkeye State Fire Safety Association  
  
**Committee Reports**  
  
Legislative:          Education:          Membership:          Scholarship:          Program:  
  
Code Development:          Endorsement:          Audit:  
  
Nominating: Election of Officers  
  
**Regional Reports**  
  
ICC  
  
Region III  
  
Eastern – EICBIC  
  
Central – MICCC  
  
Old Business: ABM Update  
  
New Business
- 10:15-10:30**      **Break**
- 10:30-12:00**      **Speakers / Presentation: Dave Ruffcorn, State Energy Code Adoption**  
  
**cdpACCESS**  
  
**Code Questions and Discussion:**
- 12:00**      **Adjourn**