April 16, 2020 Agenda

1. Call to Order
2. Roll Call
3. VOTE: Approval of Agenda
4. VOTE: Approval of Meeting Minutes
5. PUBLIC COMMENT on MPO Actions
6. PRESENTATION and VOTE: Capital Crossroads Stormwater Management Work Products
7. REPORT and VOTE: FFY 2020-2023 Transportation Improvement Program Amendment
8. REPORT and VOTE: FFY 2020-2023 Transportation Improvement Program Amendment
9. REPORT and VOTE: Purple Heart Highway Study Contract
10. REPORT and VOTE: FFY 2024 STBG Program Funding Recommendation
11. REPORT and VOTE: DMAMPO Audit RFP
12. REPORT: Water Trails Update
13. REPORT: Transload Facility Update
14. REPORT: State Legislative Update
15. REPORT: Upcoming Events
16. INFORMATION: Items Approved at the March 11, 2020, Executive Committee Meeting
17. Other Non-Action Items of Interest to the Committee
18. Next Meeting Date – May 21, 2020 – 4:00 p.m.
19. Adjournment
APPROVAL OF AGENDA
APPROVAL OF MEETING MINUTES
PRESENTATION: CAPITAL CROSSROADS
STORMWATER MANAGEMENT WORK PRODUCTS
Based on direction from the MIALG, a group of City staff, developers, and consulting engineers spent 9 afternoons attending trainings on stormwater management.

Three Key Lessons from this series:

1. Managing stormwater is a key regional priority
   - Success demands that we work together across the metro
2. We are facing more frequent, more intense storms that result in increased flooding, additional risk to infrastructure and significant erosion
3. Additional tools and design methods are available to address ongoing and increasing stormwater issues for existing and new developments
Why are we here?

- The group deemed a change in current **post construction stormwater management** was needed.

- Two LGC tri-chairs, Mayors Kurovski and Andeweg visited each metro area city council in the 2019 summer.

- Councils unanimously directed staff to work on developing recommendations for a new approach to post construction stormwater management.
What are Current Practices Costing Local Governments?

- In the period 2004-2024, local governments will have spent in excess of ~$415M on stormwater projects and operations.
- For most metro communities, the amount of yearly public expenditure for managing stormwater is increasing (both operation and capital).

Streambank Stabilization: Tributary A = ~$2.3M

Westwinds Project = ~$4.5M
Stormwater Damage

June 30, 2018 Damage

North Creek at Irvinedale

Emergency Stormwater Repairs = $150K
2019-2020 Estimated Repairs = $1.58M
Watersheds and drainage do not respect city boundaries.
Finding Consensus- 2019

- Large Group Meetings September 2019 - January 2020

- Range of approaches reviewed from current practice to a “platinum” approach
  - Level 1: Basic Level of Stormwater Rate Control
  - Level 2: Expanded Project Reach
  - Level 3: Water Quality Treatment
  - Level 4: Volume Control Requirement
  - Level 5: MIDS (Minnesota) Requirements
  - Level 6: Kansas City MARC

- Selected Level 3-4 as the target
  - Unified Sizing Criteria
Spectrum of Stormwater Management Efforts

- Upstream / Downstream Partnerships
  - Watershed Management Authorities
  - Polk SWCD/NRCS
  - Ag Partners

- Green Infrastructure
  - The Rain Campaign
  - Central Iowa Water Trails
  - Urban Water Quality Initiative
An Enhanced and Balanced Approach

- Previous design methods are no longer sufficient
- Toolbox available through the ISWMM
- Green infrastructure and gray infrastructure
- Costs associated are expected to be minimal while benefits are significant
An Enhanced and Balanced Approach

- For every 100 acres developed expect 0.4 to 1.5 acre increase in area for stormwater from existing requirements

- Benefits from standards recommended
  - In the long run, cities expend less on fixing stormwater issues
    - 1-year flow rates reduced more than 90% from existing requirements (extended detention)
    - 100-year flow rates reduced 10-40% from existing requirements (depends on local soil types)
Capital Crossroads Products

Consider stormwater management early in the development process

- Recommended design standards
- Consistent review checklist
- Template technical documents and reports
  - Soil Management Plan, Natural Resources Inventory, Better Site Design
- Training sessions
Recommended Standards

- Adopt Unified Sizing Criteria from Iowa Stormwater Management Manual
- Release rates matching natural conditions
- Modeling requirements that properly size storage needs
- Applies a baseline for applicability
  - Ex. New development or redevelopment adding 10,000 SF or more of impervious surface.
These approaches strategically address the problems that have been occurring with status quo stormwater management.

Standards have been part of ISWMM since 2009.

Why the Recommended Standards?
Recommended Standards

- Metro developments that meet recommended standards:
  - **Ankeny** - Prairie Trail (DRA Properties)
  - **Clive** - Shadow Creek Plats 3 and 4 (Vista)
  - **Des Moines** - Gray’s Station (Hubbell Realty)
  - **Pleasant Hill** - Pine Valley & Hickory Glen Park
  - **Johnston** - Crosshaven Subdivision (Hubbell), Enclave Plat 4 (Kevin Kohles/Doug Siedenberg)
    Johnston High School, Public Safety Building, Brio of Johnston, Corteva Crick Campus & Fareway Store
Next Steps

Staff will be bringing Capital Crossroads language forward for adoption into codes for your cities through your processes.

Capital Crossroads recommended language is a new baseline. Capital Crossroads recommends an effective date of January 1, 2021 for new standards.
Thank You to All Who Participated

- Local Governments - Funding & Participating
  - Ankeny
  - Altoona
  - Bondurant
  - Carlisle
  - Clive
  - Des Moines
  - Grimes
  - Indianola
  - Johnston
  - Norwalk
  - Pleasant Hill
  - Polk City
  - Polk County
  - Urbandale
  - Waukee
  - West Des Moines
  - Windsor Heights

- Other Organizations
  - Accurate Development Inc.
  - Bolton & Menk Engineering
  - Civil Design Advantage
  - DMAMPO
  - Foth Engineering
  - FYRA Engineering
  - Home Builder’s Association
  - Hubbell Realty Co.
  - IDALS
  - ISG Engineering
  - ISWEP
  - Knapp Properties
  - Larson Engineering
  - Olsson Engineering
  - Polk SWCD
  - RDG
  - SEH Engineering
  - Snyder & Associates
  - TACI
DISCUSSION & QUESTIONS
FFY 2020-2023 TRANSPORTATION IMPROVEMENT PROGRAM AMENDMENT
FFY 2020-2023 TIP Amendment Request

- **Sponsor**: City of Des Moines
- **Project**: Traffic Signal System Timing Update, Phase II
- **Federal Aid Amount**: $136,000
- **Total Cost**: $241,597
- **Type of Funding**: ICAAP
- **TIP Projects Modifications**: None
- **Change**: Add the project to FFY 2020 within FFY 2020-2023 TIP, currently programmed in FFY 2019
FFY 2020-2023 TRANSPORTATION IMPROVEMENT PROGRAM AMENDMENT
FFY 2020-2023 TIP Amendment Request

- **Sponsor**: Iowa DOT
- **Project**: I-80 Improvements at US65 Interchange
- **Federal Aid Amount**: $8,100,000
- **Total Cost**: $9,000,000
- **Type of Funding**: NHPP
- **TIP Projects Modifications**: None
- **Change**: Add the project to FFY 2020 within FFY 2020-2023 TIP
PURPLE HEART HIGHWAY STUDY CONTRACT
Purple Heart Highway Study Contract

- Staff met with the Farm Bureau in early March
- Also have had continuing discussions with the Iowa DOT
  - MPO to update 2012 study
  - DOT is recommending contracting with HNTB to update the study
  - Cost not to exceed $75,000
  - Authorize Executive Director to execute contract with HNTB
FFY 2024 SURFACE TRANSPORTATION BLOCK
GRANT PROGRAM FUNDING RECOMMENDATION
FFY 2024 STBG Program Funding Recommendation

- Targets for FFY 2024 STBG Funding were received February 18, 2020:
  - STBG Target - $13,893,000
  - Set-Aside Target - $1,170,000

- FFY 2024 request over $32 million
- Funding Subcommittee met on March 25th to develop funding recommendation
FFY 2024 STBG Program Funding Recommendation

- **System Capacity**
  - Ankeny – NE Delaware Avenue Widening - $1,000,000
  - Clive - Interstate 35 / Interstate 80 / U.S. Highway 6 Interchange Project - $1,000,000
  - Des Moines – Southeast Connector - $4,600,000
FFY 2024 STBG Program Funding Recommendation

- Major Reconstruction/Replacement
  - Altoona – 8th Street Reconstruction - $1,000,000
  - Polk City - N. 3rd Street Reconstruction, Trail, and Overlay - $393,000
  - West Des Moines - 8th Street improvements - $1,000,000
  - Windsor Heights - 73rd Street Reconstruction – Phase 1 - $1,000,000
FFY 2024 STBG Program Funding Recommendation

- System Optimization
  - Des Moines - Intelligent Transportation Systems Upgrade - $500,000

- Bridge Program
  - Des Moines - Fleur Drive Bridge over the Raccoon River - $1,000,000
  - Polk County - Bridge Replacement of Bridge No. 3618 - $350,000
  - Polk County - Bridge No. 6633 Bridge Replacement - $600,000
FFY 2024 STBG Program Funding Recommendation

- Transit Projects
  - DART – Replacement Buses - $1,355,000
- Other
  - MPO – TMA Program - $95,000
FFY 2024 STBG Program Funding Recommendation

- STBG Set-Aside (TAP) Projects
  - Ankeny - Oralabor Gateway Trail: SW State Street Overpass - $435,000
  - DART - DART Transit Shelters: $300,000 $200,000*
  - Clive – BCycle Expansion: $0 $100,000*
  - Des Moines - Central Place Levee Trail: Phase 1 - $435,000

*Changes recommended by Executive Committee
FFY 2024 STBG Program Funding Recommendation

- **DART**
  - 16 shelters proposed with local public art
  - Locations in Ankeny (2 shelters), Clive (1 shelter), Des Moines (6 shelters), Grimes (1 shelter), Johnston (3 shelters), Pleasant Hill (1 shelter), and West Des Moines (2 shelters)

- **Clive BCycle Expansion**
  - 12 new stations
  - 100 e-bikes
  - Stations proposed in Des Moines, Clive, and Windsor Heights
AUDIT RFP
Audit RFP

- In March 2020, staff issued RFP for auditor services
- RFP sent to 12 local/regional firms
- RFP response deadline was April 6, 2020
- Received one response from Denman & Company
- Recommend awarding contract to Denman & Company
- Estimated cost: $11,000
WATER TRAILS UPDATE
Water Trails Update

- Project working on original schedule
- Snyder & Associates hired as owner’s representative
- Design teams moving forward on project
- Draft BUILD grant agreement being reviewed by DOT/FHWA
- Environment document determined by FHWA to be a Categorical Exclusion (CE).
TRANSLOAD FACILITY UPDATE
Transload Facility Update

- Environmental Assessment (EA)
  - Incorporating comments from the FRA’s legal sufficiency team
  - Finalizing the draft SHPO letter
- Grant Agreement
  - FRA grant agreement is drafted and waiting the completion of the EA
  - MPO legal counsel is drafting a sub-agreement with Des Moines Industrial for the BUILD grant
State Legislative Update

- Standing item throughout the Iowa legislative session to allow the committee to discuss any legislative (federal or state) items of interest.
  - Drafted letter to Congressional delegation and Secretary of Transportation regarding funding issues related to COVID-19
  - Working with Des Moines International Airport to incorporate funding for terminal project in new Stimulus bill
  - Include discussion of interstate designation for the Purple Heart Highway
UPCOMING EVENTS
Physical Distancing

- Tomorrow Plan Speaker Series events, like others, have been canceled in April.
- Future events are subject to cancellation, as well, depending on the status of the COVID-19 pandemic.
Speaker Greg Shill: “Americans Shouldn’t Have to Drive, but the Law Insists on It”
Thursday, May 14

Moving to virtual platform. Details to be determined.

11:45 – historical preview
12:00 – keynote with Shill
1:00 – Q&A with Shill

RSVP: tomorrowplanspeakerseries.org
MPO sponsored event

Date: April 22

Location: Online Virtual Event

Time: 11:30 a.m. to 1 p.m.

Register: businessrecord.com
ITEMS APPROVED AT THE MARCH 11, 2020, EXECUTIVE COMMITTEE MEETING
Items Approved at the March 11, 2020, Executive Committee Meeting

- Approval of the FY 2019 Audit RFP;
- Approval of the Draft FY 2021 Unified Planning Work Program and Budget to be submitted to the IDOT for review and comment; and,
- Approval for staff to fundraise to purchase an updated camera for the Iowa Data Bike.
OTHER NON-ACTION ITEMS
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