



North Central Texas Council of Governments

SUMMARY

iSWM Implementation Subcommittee

Thursday, October 14th, 2021

1:30 p.m., Microsoft Teams

Chair: Ranjan Muttiah, City of Fort Worth

1. Welcome and Introductions.

PRESENTATION/ACTION ITEMS

2. Approval of the July 14th, 2021, Meeting Summary

The meeting summary was approved as presented.

3. Task Order 6 (Work Scope) Updates. Task Order project update by consultants Half Associates.

Task 2 – Part A: Half is updating the following BMP summary pages: Multi-Purpose Detention Areas, Organic Filter, Green Roof, Proprietary Structural Controls, and Open Conveyance Channel. Draft documents expected in time for the next iSWM meeting.

Part B: Update the following vegetation tables in the Landscape Technical Manual: 1.2 Wetland Plants, 1.4 Commonly used species for Bioretention, 1.5 Common grass species for dry and wet swales/grass channels

Task 3 - Plan to host training in mid-December 2021. Recommended topics: permeable pavers design, construction and maintenance; hydrologic parameterization; modeling/sizing, design and maintenance; treatment trains, and issues that should be incorporated into the design approach.

Task 4 - Draft updates available for review: Construction Controls Technical Manual, Section 3.9; Hydraulic Technical Manual, adding guidance for calculations for an on-grade inlet; Hydrologic Technical Manual, revising Section 1.3.7. Please review and send in comments by the middle of December (the Task 3 training date).

Task 5 - Provide recommendations for additional design guidance for forebays. The recommended guidance includes:

- Recommended depth for all other applicable stormwater BMPs
- Require sediment markers
- Velocities from the forebay to the treatment device should be non-erosive for the 2-year design storm
- Limit side slopes to 2:1 or flatter
- Maintenance access must extend to the forebay
- Consideration should be given for sediment fall-out

Please see the posted presentation for graphics.

Task 6- Research of previous hydrologic mimicry case studies.

Scale:

- Evaluating the efficacy of small scale (site) versus large scale (sub-watershed) application
- Evaluating impacts of increased volume management requirements

Context:

- Defining true pre-development conditions



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- Agricultural vs. Natural
- Redevelopment scenarios
- Restoring pre-development ecosystems

Feedback:

- Review and comments needed for draft memorandum (Late November)

Task 8 – Review existing data from previous projects for the economic benefits of iSWM.

- Focus on non-technical document to inform regional leadership
- Emphasize holistic impacts long term for different scales of implementation stressing value of full regional participation
- Include commentary and summarized case studies from participating communities

4. **Discuss iSWM Outcome 17 (Water Quality) Process** Staff will update the Subcommittee on the status of this task.

Staff and a volunteer subcommittee met in August to discuss possible options for moving forward. Volunteer members recommended asking the consultants, Halff Associates, to review and come up with one or two options for their review.

Halff has been reviewing options and will bring potential language forward to the volunteer members for discussion and review.

INFORMATION ITEMS

5. **Regional Public Works Program Update.** NCTCOG staff will update IIS on the FY21 Regional Public Works Program.

Sustainable Public Rights-of-Way Subcommittee (SPROW), October 12, 1:30 p.m.

SPROW met with private utility representatives to write BMPs for the Utility Coordination chapter of the BMP Guidebook.

Standard Drawings Subcommittee, November 15, at 10 a.m.

The subcommittee will begin reviewing Division 5000: Wastewater Collection. The Trash Rack drawing from the September meeting will be discussed.

Public Works Council (PWC), November 18th at 9:30 a.m.

The Council will announce new Council members, the FY22 Work Program, and discuss the cost shares that were mailed out to all member cities.

Upcoming training and events:

- New Inspector Training, TBD



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For more information on the Public Works program, please contact Olivia Kale at okale@nctcog.org or (817) 695-9213.

OTHER BUSINESS AND ROUNDTABLE DISCUSSION

6. Upcoming Events and Conferences.

- International Erosion Control Association (IECA) Texas Regional Conference, October 19th – 20th, San Antonio
Link to register - <https://form.jotform.com/211583642067153>
- American Meteorological Society Annual Meeting
January 23-27, 2022 in Houston, Texas
Hybrid option available at [registration](#)

7. Future Agenda Items and Roundtable Discussion.

Upcoming NCTCOG Meetings

Public Works Council Sustainable Public Rights of Way, December 14, 2021

Public Works Council Meeting, November 18, 2021

Public Works Council Standard Drawings Subcommittee, November 15, 2021

Regional Stormwater Management Coordinating Council, November 17, 2021

8. Schedule for the Next iSWM Meeting. The next meeting is scheduled for January 12, 2022.

Adjournment

If you have any questions regarding the meeting or agenda items, please contact Casey Cannon by phone at (817) 608-2323 or by email at ccannon@nctcog.org. If you plan to attend this public meeting and have a disability that requires special arrangements at the meeting, please contact Barbara Bradford by phone at (817) 695-9231 or by email at bbradford@nctcog.org, 72 hours in advance of the meeting. Reasonable accommodations will be made to assist your needs.

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Subcommittee Sign-in sheet

Name	Organization
Raj Gandham	Hayden Consultants
Lisa Crossman	City of Mesquite
Zachary Peterson	City of Denton
Troy Hopkins	City of Venus
JoEtta Dailey	City of Denton
Kevin Hill	City of Dallas
Joshua Spencer	
Andrew Wallace	City of Dallas
Grace Darling	Arlington Conservation Council
Howard Redfearn	City of Mansfield
Noreen Housewright	City of Grand Prairie
Radwan Dalu	City of Dallas
George Marshall	City of Corinth
Ranjan Muttiah	City of Fort Worth
Carolyn Horner	NCTCOG
Edith Marvin	NCTCOG
Tamara Cook	NCTCOG
Audrey Giesler	Halff
Ben Pylant	Halff
Cooper Hoffman	Halff