

Draft - Potential iSWM Task Items FY20

	Potential Future Task Items	Category	Half Task Order 1	Half Task Order 2	Half Task Order 3	Half Task Order 4
1	Construction of water quality BMPs – It was mentioned at the IIC meeting that there could be some benefit to COG funding or partnering with a City to fund the construction of several BMPs that could be shown field examples with availability of design, installation, maintenance, and inspection inspection.	Outreach/Training				
2	Economic benefits of iSWM – Want to continue to address the point that iSWM provides an economic benefit. One area in particular that could be looked at in more detail is streambank protection and the savings in hard armoring in the future.	Outreach/Training				
3	Additional specifications and details for site development controls – There is hesitation that developers and contractors in the region will not know how to install the site development controls. The schematics in the manual are a good start but many want the specifications and details to the level of the NCTCOG Construction Standard Details book. In progress: In the 2017 Task Order, 10 schematics were converted into Construction Control Standard Details. An additional 10 will be updated in early 2019. Complete	New/Revised Technical Content	X	X		
4	Re-evaluate 85th Percentile (1.5") Rainfall Requirements – Review rainfall depths and percentiles that other Texas cities are using to treat water quality. Use updated rainfall data to calculate regional percentile storm events. Write a report on the findings to present to the IIS for feedback.	New/Revised Technical Content				
★ 5	Reorganize/Re-evaluate Site Development Controls – Hold 2 to 3 meetings with technical members of the IIS to discuss new BMP technologies and BMPs that could be removed from the current document. There are currently 28 unique Site Development Control technologies recommended in the iSWM Technical Manual. Reformat the Site Development Controls section of the Technical Manual based on IIS feedback to make it easier to follow and use. In progress: Workshop #1 occurred on 10/9, Second workshop is scheduled for 2/5, final recommendations documented in Task Order 3 could be implemented during Task Order 4	New/Revised Technical Content			X	
6	Provide additional detail and standards for proprietary devices – Provide information on the specifications that should be considered for approval of a proprietary device and acceptable minimums that they should achieve. In Progress: A draft is currently being developed and will be ready for review by February 2019. Completed 2019	New/Revised Technical Content		X	X	
6a	Provide details and standards for specific proprietary devices – Follow-up to Task 6 by providing information and specifications for specific proprietary devices of interest to the subcommittee.	New/Revised Technical Content				

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7	Guidance on developing a regional detention program – This is an option for water quality and could also be useful for streambank and flood control but many cities (especially those that are not yet developed who would most benefit) do not have adequate guidance on how to set up a regional detention program. Could gather data on methods to set up a public/private partnership and other means for regional detention.	New/Revised Technical Content				
8	Update Technical Manual rainfall intensities – Evaluate whether iSWM intensity values should be updated with the released Atlas 14 Values. Provide recommendations for inclusion of Atlas 14 rainfall values into the iSWM manual. In progress: Draft memo has been developed and is currently out for comment with subcommittees	New/Revised Technical Content			X	
9	Add more detail on maintenance and inspection – Still a need in the region for more information on maintenance costs and variability. Could Will research long standing applications and gather maintenance data/records/costs/methods. We could include some best practices in developing and tracking a cities maintenance and inspection program. Could also look outside of Texas for more long standing applications. In progress: Work for this deliverable began 12/2018.	New/Revised Technical Content		X		
10	Add natural channel and volumetric detention guidance – These are currently areas where the Technical Manual is lacking. The City of Austin may have some knowledge to help iSWM in this area.	New/Revised Technical Content				
★ 11	Technical Meeting of iSWM Adopters – Form a technical group of staff members from communities that have adopted iSWM, and conduct 2 to 3 meetings to discuss the challenges or problems experienced under the program and possibly solutions. In progress: Determined survey would be more efficient than workshops. Survey will be open to iSWM communities until January 31st. Depending on feedback recieved in survey, technical changes recommended in Task Order 3 could be implemented in Task Order 4.	Outreach			X	
12	iSWM Designation Implementation Workshop – Host # workshops with a team of engineers and a limited amount of participants (communities) to review their current ordinances and regulations to see where they qualify for iSWM Credit, and identify opportunities to incorporate iSWM criteria. In progress: The third and final workshop will be held 2/11	Training		X	X	
13	Utilize consultant services to continue the updates to the materials presented in the Pollution Prevention During Construction Course, which is to be refined into a 2-part course with seperate materials for Plan Review Staff, Inspection Staff. In progress: Halff is begun re-drafting the course materials. Will be finished by April 2019.	Other		X		
14	Provide technical assistance to the design and construction of selected BMP devices to be used as a demonstration project. Similar to SARA LID Training Program https://www.sara-tx.org/low-impact-development-training-program .	Outreach				

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15	Provide additional guidance and examples showing how to incorporate a forebay into the normal pool, and a discussion on how to design the forebay (height of wall/length of forebay/depth for max settlement/ direction of flowpath etc.)	New/Revised Technical Content				
16	Hydrologic Mimicry – Provide cases studies and guidance on greenfield/greyfield development scenarios to create mimicry guidances and set target goals for volume management. This would be complimentary or perhaps an alternative to 85th percentile storm event.	New/Revised Technical Content				
17	iSWM Principals Regional Review – In the spirit of highlighting the benefits of iSWM, it might be helpful to create a watershed based inventory of iSWM principals being utilized by communities in the NCTCOG region. For instance, which communities have detention control, which have water quality requirements, etc. We would propose to use the current iSWM Certification Criteria and select a few items to review for the NCTCOG region communities. The map could help with engagement opportunities to show how policies impact upstream and downstream communities. This data could be collected through a survey of communities to see who is using iSWM measures. In progress: We are reviewing the additional criteria listed as mandatory and recommended on the iSWM tiered implementation form. We hope to have a new draft of the inventory for the January subcommittee meeting. We did receive Edith’s information regarding the counties.	Outreach		X	X	
18	Continue outreach to communities, including meetings with City Managers and city staff, and develop a 5-Year Outreach and Implementation Strategy.	Outreach				
19	Videos highlighting and describing iSWM BMP installations. In progress: Developing video for bioretention facility in downtown Roanoke.	Outreach/Training			X	
20	Update website to focus content on different audience types: general public, city staff, private developers, etc.	Outreach				
21	Continue training and workshops, including: iSWM Implementation and/or technical implementation guidance. In progress: The iSWM Stormwater BMP Maintenance workshop was held December 4, 2018. Complete	Training	X	X		
22	Create and distribute survey to region to learn about current activities and standards that are being applied related to flood and stormwater management.	Outreach				
Previous Tasks Completed by Contractor						
	Downstream Assessment and Integrated Site Design Practices Criteria. A workshop was conducted on 04/27/2018. Workshop proceedings can be found on the iSWM Training Library http://iswm.nctcog.org/training.html	New/Revised Technical Content	X			
	Provide Lessons Learned and Rules of Thumb for iSWM Drainage Reviewers. A workshop was conducted on 04/27/2018. Workshop proceedings can be found on the iSWM Training Library http://iswm.nctcog.org/training.html	New/Revised Technical Content	X			

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New Task Suggestions					
	Create general guidance describing BMPs and recommendations for pipe utility crossings.				
	Review of additional iSWM technical or design manual for recommendations and potential updates.	New/Revised Technical Content			
	Develop new iSWM case studies.	New/Revised Technical Content			
	Training communities on engineering design or maintenance of BMPs	Outreach/Training			

Notes:

Legend
Blue Text: Current status of the task
★ Current ongoing tasks - could be continued in other task
FY 2020 Task Order - NCTCOG recommended task
FY 2019 Task Order

Additional specifications and details for Standard Drawings Subcommittee and Public Works Council					
	Make edits provided by the Standard Drawings Subcommittee to drawings 6020 and 6030 in the Public Works Construction Standards	New/Revised Technical Content			
	Provide draft details to the Standard Drawings Subcommittee for review and comments.	New/Revised Technical Content			
	Revise details with comments from the subcommittee and prepare final details.	New/Revised Technical Content			
	Provide a draft to the Standard Drawings Subcommittee for review and comments	New/Revised Technical Content			

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	Incorporate comments and provide a final version to the Standard Drawings Subcommittee for final review and concurrence.	New/Revised Technical Content				
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