

DATE: 6/22/22

To: All Interested Consultants
PROJECT: Milwaukee County TMDL Analysis
SUBJECT: Amendment 1 to Request for Proposal (RFP)

Amend this RFP to include the following information:

1. **Q:** The RFP states up to 200 BMPs will require modeling analysis – can you please suggest what the number of each different types of BMP might be (e.g. 125 catch basins, 70 rain gardens/biofilters, 4 porous pavements, 1 pond)?
A: There are 43 rain gardens, 49 infiltration basins/swales, 42 permeable pavers, 4 permeable concrete, 4 pavement reductions, 5 constructed wetlands, 10 detention ponds, 21 retention ponds, 1 vegetated swale, 3 subsurface infiltration, 4 sedimentation chambers, and 1 regenerative stormwater conveyance identified as needing WinSLAMM modeling. This totals 187 total BMPs. It is possible a few could be added, so 200 should still be used as an estimate number for the purposes of proposing.
2. **Q:** The RFP states up to 50 BMPs will require drainage basin delineation – can you please suggest how many of which type this may include (e.g. 35 catch basins, 10 biofilters, 4 porous pavement, 1 pond)?
A: There is 152 BMP drainage basins already existing in GIS that should be applicable to the 187 drainage basins mentioned above. The way they are currently categorized does not have a direction correlation with how many there are of each type of BMP. However, we can clearly state that the majority are for infiltration basins/swales, rain gardens, pervious pavement, and ponds. This leaves 35 basins needing delineation, though it is possible a few could be added, so 50 should still be used as an estimate number for the purposes of proposing.
3. **Q:** What details on each BMP will be provided (as-built drawings, stormwater management plan reports, etc.)?
A: Milwaukee County will provide as-builts, record drawings, stormwater management plans, construction specs, and any other applicable design documents where they are available. It is anticipated that the majority of BMPs to be modeled will not include such plans, though where applicable they should be used in modeling efforts. For BMPs without detailed record documents the consultant should use all available applicable information (i.e. native soil maps, BMP square footage, drainage areas, land uses, ect.) in conjunction with design standards and standard WinSLAMM inputs per each type of BMP in order to model the most accurate representation of each BMP.
4. **Q:** Will field work be needed for the purposes of determining which outfalls are major outfalls?
A: It is not anticipated that field work is a major component of the major outfall designation task. This task should be able to be determined with data provided by Milwaukee County (i.e. outfall drainage basins, size of pipes, ect.). However, the

consultant may elect to do field inspections to a small number of outfalls to verify information should it prove helpful.

5. **Q:** Will field work be required for the BMP modeling task, such as infiltration testing in vegetated swales?

A: It is not anticipated that field work is a major component of the BMP modeling task. Most of this work should be conducted with data provided by Milwaukee County and with the BMP design and modeling expertise of the selected consultant. However, the consultant may elect to visit a small number of sites to verify data should it prove helpful.

6. **Q:** Does Milwaukee County have good inspection, maintenance, and condition data for the BMPs?

A: Milwaukee County has a BMP inspection program that aims to inspect these BMPs at least once annually. Records for these BMPs date back to over 10 years ago. These reports should document maintenance needs and overall condition of the BMP. Budget constraints of owner departments have, at times, made activities such as weeding and trash removal difficult at some sites, though overall structural issues with BMPs have been historically dealt with swiftly.

7. **Q:** Are the Zoo and American Family Field included within this project?

A: The Zoo and its grounds are included in this project. American Family Field and its grounds are *not* included in this project.

8. **Q:** Do the drainage basins to existing outfalls and BMPs include drainage areas from outside of Milwaukee County ownership (off-site runoff)?

A: Drainage basins for our outfalls *do* include land not owned by Milwaukee County. Only land owned by Milwaukee County should be considered when analyzing which areas are included in Milwaukee County's TMDL-applicable land. However, when modeling BMPs, any and all land that drains to a BMP should be modeled for reductions.

Sincerely,



Jack Sudar, PE
Project Manager