

## Written Questions Submitted for Lake of the Hills RFP, 28 July 2017

### Responses:

Q) Will original design plans, including original grading plans, lake depth/storage, and outlet structure details for each of the lakes be made available during the proposal preparation period? If not, will said plans be made available at the commencement of Phase I activities/tasks?

A) There are a minimal number of original or as built plans for the lakes. Eight documents were added to the Google Drive site on 7 August that were not previously available. Responses should be based on available materials as part of this RFP.

Q) In the cost proposal section: Providing a preliminary construction cost estimate for the proposal before any planning or design has commenced would not be very accurate. Would the proposal be disqualified or rejected if a preliminary construction cost is not submitted in the proposal?

A) A proposal without a preliminary construction cost estimate will be disqualified. See (Page 4, Cost Proposal, Item 2) Preliminary construction cost estimate of all Phase I elements (line itemed to consultant fees, consultant fees for construction related services, and preliminary construction estimates).

The intent of the RFP was to limit the construction cost estimate at this point to building new and rehabilitating existing ponds/wetlands within West Lake Park and bio-swales or bio-retention cells to infiltrate water coming off of the parking lots.

We are not expecting a construction cost estimate for dredging of lakes within West Lake Park, stabilization of dredge containment areas, fish habitat installation, shoreline stabilization, and repair/replacement of outlet structures.

Q) Is there any consideration in initially awarding Phase I services only to clearly define the scope and cost of the overall project?

A) Scott County intends on negotiating services related to Phase 2 and Phase 3 to the consultant contracted for Phase 1. Review the "Scope of Work" statements in the RFP for additional information.

Q) Have cultural resources, wetlands, T&E studies been conducted throughout the park? If a project area is expected to be disturbed are these field studies to be included in Phase 1?

A) No cultural resources, wetlands, or T&E studies have been conducted in the park in areas associated with this project. Phase I will need to identify all necessary types of investigation required for the project, but the actual investigation will occur in Phase II or Phase III.

Q) Will consultants be expected to use any specific modeling software, or is there preferred software? TMDL references STEPL.

A) There is no preferred modeling software.

Q) Will electronic data sets be made available to consultant once selected? What is available? GIS, CAD, model files, surveys?

A) RUSLE and Bathymetric shapefiles will be made available to the selected candidate.

Q) Is the County requesting the consultant to evaluate using parameters already determined and listed in the Management Plan, or are you anticipating the need for additional study to verify the parameters? For example, the plan lists expected sediment and nutrient loading rates based on generalized studies. Is this information adequate enough for evaluation, or is additional evaluation and/or monitoring desired?

A) The RFP did not anticipate additional studies; however, it will be up to the selected candidate to determine if additional evaluation or monitoring is required.

Q) Are there any existing topo surveys for the site(s) or should that be included in this phase? For 35% design Lidar could probably be used, but it may be good to survey utilities and features that could alter the course of the project.

A) There have been no topo surveys completed for this project. We anticipate LiDAR data and on-site inspections will be sufficient for 35% design.

Q) At the one-site meeting land ownership was briefly discussed. Does the County anticipate the need for easements or plats from the consultant as part of this phase?

A) No easements or plats will need to be created in phase I. We anticipate two easements will be necessary in Phase II or Phase III and these easements would be negotiated by the owner based on information provided by the consultant.

Q) Spoil site evaluation. Are soil borings to be included with this phase? Phase II says Geotech evaluation, but feasibility could be greatly impacted by soil conditions.

A) Soil borings are not required for Phase I.

Q) Have lake sediment samples been obtained and tested?

A) No lake sediment samples have been taken.

Q) Bathymetric surveys appear to have been completed. When were these surveys done and what was the methodology?

A) Bathymetric surveying was completed by the DNR during the summer of 2015. All lakes were surveyed on the water using Bionsonics software and sonar mapping equipment. Bathymetric shapefiles will be made available to the selected candidate

Q) Have sediment depth surveys been completed? Would the need for such surveys be anticipated for phase I?

A) No sediment depth surveys have been completed. RFP did not anticipate sediment depth surveys for Phase 1.

Q) Drawdown capacity evaluation. Are the plans for the existing dams available? Could the County provide any additional details on this objective? At the on-site meeting the need to replace several structures and/or valves was discussed.

A) A limited number of plans for the existing dams are available now on the Google Drive.

- Bluegrass Lake does not have a drawdown capability. It is a cement box culvert under the road.
- Lambach Lake is a typical pond overflow pipe that does not have any control structure.
- Railroad Lake has a tower with a DeZurik valve. The knuckle on the pipe is broken and would need fixed to operate the gate. Lake of the Hills can be lowered and then a boat can access through the old road culvert into the tower structure to work on the knuckle.
- Lake of the Hills has a "tower" manhole type structure on the dam with a gate valve and a pipe drain from out in the lake. We exercise this once a year and believe it to be fully operational and capable of draining the lake to a large extent.
- For both Railroad and Lake of the Hills, these structures are approaching 40 years old. One can anticipate that brackets, rods, steps, and other metal framework will need either replacement or maintenance work.

Q) Shoreline stabilization: Does the County have any preference with regard to stabilization. For example hard armoring vs native vegetation? Evaluation and approach could be variable depending on objectives.

A) The County does not have a preference for either rock or vegetation for bank stabilization. The assumption is that some locations, such as the windy points, will require rock and other areas can be stabilized with vegetation at a lower cost. A mix is anticipated and we look to the consultant for that proposal.