

Department of Engineering  
Tim Bryan, P.E., County Engineer

3137 South Liberty Street, Canton, MS 39046  
Office (601) 790-2525 FAX (601) 859-3430

MEMORANDUM

December 21, 2020

To: Sheila Jones, Supervisor, District I  
Trey Baxter, Supervisor, District II  
Gerald Steen, Supervisor, District III  
Karl Banks, Supervisor, District IV  
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE  
County Engineer

Re: Sulphur Springs Lake Dam (MS02880)  
Hydrology & Hydraulics Study  
Michael Baker International

The Engineering Department recommends hiring Michael Baker International for a fee not to exceed \$25,000 to perform a Hydrology and Hydraulics study of the Sulphur Springs Lake dam as required in the attached letter from MDEQ.

December 1, 2020

Tim Bryan, P.E., PTOE  
County Engineer  
Madison County Department of Engineering  
3137 South Liberty Street  
Canton, MS 39046

Re: Sulphur Springs Lake Dam (MS02880)  
Hydrology & Hydraulics Study  
Madison County, Mississippi

Dear Tim:

In accordance with our recent discussions and pursuant to your request, we hereby present our proposal to provide professional engineering and related technical services for the referenced project. We understand based on the letter from MDEQ dated November 4, 2020 and from my conversations with MDEQ that they are requiring a Hydrology and Hydraulics (H&H) study of the Sulphur Springs facility. They are specifically requesting a capacity analysis of the spillway. Although their request required a report by December 4, 2020, they have agreed to an extension of this deadline based on your engagement with a consultant to complete the work with a schedule to be determined and provided to them.

#### SCOPE OF WORK

Our understanding is that our scope of services will be limited to the following:

We will provide qualified supervision and labor, equipment, tools and materials necessary to perform a H&H study pursuant to the request from MDEQ. This study will include:

- Review of the limited available Hydrology documentation from the Design Engineer
- Incorporate additional data to provide a detailed Hydrology analysis
- Utilize the updated Hydrology analysis to provide a capacity analysis of the spillway, as required by MDEQ.
- Project Management and Scheduling
- Bi-Weekly update meetings
- Final Report

\*This proposal does not include surveying. We will utilize the site survey to be provided by Madison County and supplement with current LIDAR to perform the study.

COMPENSATION

Based upon our understanding of the Scope of Work described above, we propose to be compensated on a **Time and Materials basis with a Not to Exceed cost of \$25,000.00.**

SCHEDULE

We will begin the work on this project upon your authorization to proceed and will provide a detailed schedule at that point. If we receive a Notice to Proceed by December 15, 2020 we can provide the report on or before March 31, 2021.

We appreciate the opportunity to be of service to you, and should you have any questions, please do not hesitate to call me at 228.233.9669.

Regards,

A handwritten signature in blue ink, appearing to read 'Shawn Wozencraft', with a long horizontal flourish extending to the right.

Shawn Wozencraft, P.E.  
Project Manager II  
Michael Baker International



STATE OF MISSISSIPPI  
TATE REEVES  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
CHRIS WELLS, EXECUTIVE DIRECTOR

November 4, 2020

Madison County Board of Supervisors  
Attn: Mr. Gerald Steen, Board President  
125 West North Street  
Canton, MS 39046


Re: Owner's Inspection completed September 30, 2020  
Sulphur Springs Lake Dam (MS02880)  
Canton, Madison County, Mississippi

Dear Board of Supervisors,

The Mississippi Department of Environmental Quality (MDEQ) Dam Safety Division received the above referenced Owner's Inspection on October 1, 2020. Our office has completed the review of the inspection and finds the dam is in **satisfactory condition**. However, a file review shows a hydrology and hydraulics analysis (H&H) was never completed for the 2016 formal inspection. In order to accurately determine the condition of the dam, an H&H analysis should be submitted to MDEQ Dam Safety **on or before December 4, 2020**.

Should you have any questions or require any assistance please contact me at (601) 961-5289 or atutor@mdeq.ms.gov. You may also contact the Dam Safety Division Chief, William McKercher, at (601) 961-5207 or wmckercher@mdeq.ms.gov.

Sincerely,

  
Amanda Tutor, EEIT  
MDEQ Dam Safety Division

cc: William McKercher, P.E.- Chief, MDEQ Dam Safety Division  
Tim Bryan, P.E. – Madison County Engineering Dept.