

BOARD OF SUPERVISORS

MADISON COUNTY, MISSISSIPPI

Department of Engineering/Road Management
Dan Gaillet, P.E., County Engineer/ Road Manager

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MEMORANDUM

July 19, 2016

TO: Sheila Jones, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
David Bishop, Supervisor, District IV
Paul Griffin, Supervisor, District V

FROM: Dan Gaillet, P.E. *DG*
County Engineer/Road Manager

RE: Childress Bridge

Under the General Engineering Services Agreement, Stantec Engineering has completed the preliminary assessment, including hydraulic design, geotechnical evaluation, surveying, and evaluating various bridge alternatives on Childress Lane in Flora.

It has been determined that the best and cheapest alternative is to move forward with a concrete box culvert. As a result, the design fee for this structure will not exceed \$40,357.00.

Since this fee now pushes this project beyond my \$50,000.00 authorization for General Engineering Services, I am requesting Board authorization to allow Stantec to move forward with the design phase of this project.

SHEILA JONES
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

DAVID BISHOP
District Four

PAUL GRIFFIN
District Five

Childress Road Drainage Structure

Scope of Work:

- Concrete Box Culvert: Replace the existing drainage structures with a 61-ft long reinforced concrete box culvert. This work will include coordination efforts with surveying, roadway, and geotechnical services. The following plan sheets will be developed:
 - General Notes, Index, Quantities
 - General Plan & Elevation
 - Bottom & Top Slab Plans
 - Box Culvert & Wing Wall Details
 - Miscellaneous Details

The box culvert and its components will be designed in accordance with current AASHTO LRFD Bridge Design Specifications.

An as-designed load rating will be performed and submitted in a report in accordance with current LRFR requirements. Two progress plan sets (10% and 75% plans) will be submitted for review and comment. The final submittal will include a full-size set of plans and a design calculation book. Stantec will perform one site visit and attend plan review meetings (field review and office review).