MTA ENGINEERS

Corporate Office:
P.O. Box 23715 • Little Rock, AR 72221 • Ph. 501.753.2526
mtaengineers.com

Geotechnical Engineering • Materials Testing • Special Inspection • Design

Offices in: Little Rock, AR • Springdale, AR • Jonesboro, AR • Birmingham, AL

May 23, 2023

Hope Consulting Engineers
129 N. Main Street
Benton, Arkansas

Subject: Gravel Exit Road
Hilldale Subdivision
Saline County

As requested, MTA Engineers visually inspected the gravel road in the back of the Hilldale Subdivision in Saline County. Visually there are no signs of rutting or yielding areas under traffic. A few areas are distressed due to weathering and traffic and unrelated to subgrade failures.

To verify that the gravel road has the required structural capacity to enable a 75,000 lb emergency without impairing movement, it was determined that the subgrade had an average CBR of 7 and the base had a CBR of 27. Based on the current visible condition and the calculated CBR design values, the current drives are sufficient to support 75,000 lb emergency vehicles without impairing movement structurally.

Sincerely,

Steve Garrett, Ph.D., PE
Senior Geotechnical Engineer