

(Sample Foundation Recommendation Letter to Bridge Office)

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE CSBRG-0007-00(030), Dawson County **OFFICE** Materials and Testing
SR 9 over Etowah River Forest Park, GA
PI No. 0007030 **DATE** March 25, 2013

FROM *G. E. F. Fox*
Charles A. Hasty, P.E., State Materials Engineer

TO Ben Rabun, P.E., State Bridge Engineer

SUBJECT Foundation Recommendations (LRFD)
SR 9 over Etowah River

As requested, Foundation Recommendations for LRFD selected for the project mentioned above. Below are the recommended foundation types:

FOUNDATION RECOMMENDATIONS

Bents	Drilled Shaft	Spread Footing	Pile Footing (Type)	Pile Bent (Type)
1		On rock		
2				H-pile (50 ksi)

Site Classification We recommend a site class of E due to the fact that plasticity index for the clay layer from the Unified Soils Classification System (USCS) test results is 20.0.

Please provide the following to facilitate the completion of the Bridge Foundation Investigation:

- 1. Design Loads** Maximum Factored Foundation and Service Loads for the above foundation types. Provide the loads per column for spread footings/drilled shafts, and per pile for pile bents/footings.
- 2. Drivability** Nominal Structural compression and tension stresses for pile sizes to be used.
- 3. Pile Design Load** Factored Structural Resistance for pile sizes to be used.

If additional information is needed, please contact Neoma Cole of the Geotechnical Environmental Pavement Design Bureau at 404-608-4731.

CAH:NKC