

(Sample Foundation Recommendation Letter to Bridge Office)



Interoffice Memo

FILE: Carroll County
PI No. 0015537
SR 1/US 27 over Little Tallapoosa River, Br. #1

DATE: February 11, 2020

FROM: Monica L. Flournoy, P.E., State Materials Engineer

TO: Bill Duvall, P.E., State Bridge and Structural Engineer
Attn: Lyn Clements, P.E., Assistant State Bridge and Structural Engineer

SUBJECT: **Foundation Recommendations (LRFD)**

As requested, the Foundation Recommendations for LRFD selected for the project mentioned above are listed below:

FOUNDATION RECOMMENDATIONS

Bents	Drilled Shaft	Spread Footing	Pile Footing (Type)	Pile Bent (Type)
1		On Rock (ALT)		H-Pile
2	On Rock		H-Pile (ALT)	
3	On Rock		H-Pile (ALT)	
4				H-Pile

Site Classification: We recommend a site class of E in accordance with AASHTO LRFD 7th Edition Section 3.10.3.1.

Loads: Please provide the Maximum Factored Strength Limit, Service Limit, and Extreme Event Limit Loads for the above foundation types. Provide the loads per column for drilled shafts, per pile for pile bents/footings, and as a bearing pressure for spread footings. When recommending pile footings, please provide the approximate bottom of footing elevation for the proposed bents. These loads and elevations are required to complete the Bridge Foundation Investigation Report.

Included with the foundation recommendation is 1 boring layout and 4 preliminary boring logs.

If additional information is needed, please contact Nicolas Sotolongo of the Geotechnical Bureau at (404) 608-4729.

MLF: GEF: NLS

Attachments (2)

cc: Kimberly Nesbitt, State Program Delivery Administrator
Attn: Joshua Pisani Project Manager