May 9, 2022

GEOTECHNICAL DESIGN BULLETIN NO. 2022-1

SUBJECT: 2022 Geotechnical Design Manual (2022 GDM)

EFFECTIVE DATE: Refer to First Paragraph

SUPERSEDES: 2019 Geotechnical Design Manual version 2.0 (GDM v2.0)

RE: None

The 2022 Geotechnical Design Manual (2022 GDM) will be effective for all projects that have not completed the Roadway Design Field Review or Preliminary Bridge Plan phases of project development as of May 15, 2022. The 2022 GDM may be used for projects that have advanced past these phases, in its entirety, at the discretion of the Geotechnical Engineer-of-Record (GEOR) with concurrence from the Program Manager.

The 2022 GDM may be viewed or downloaded from the Department's website at https://www.scdot.org, by searching for "Geotechnical Design Manual".

The primary change between the 2022 GDM and GDM v2.0 is the addition of design methodologies that allow for the use of the bridge foundations to resist seismically induced movements of the bridge embankments. Other minor changes were implemented in the 2022 GDM to improve readability and organization of the manual (i.e., Sections were moved between Chapters).

Training for individual Chapters or groups of Chapters in the 2022 GDM is being developed and will be offered to Department employees and consultants beginning in the fall of 2022.

Questions, concerns, or recommendations for future revisions should be addressed to the Geotechnical Design Support Section of the Office of Engineering Support.

Jeff Sizemore, P.E.
Geotechnical Design Support Engineer

JCS:neh
ec:
John Boylston, Director of Preconstruction
Robbie Isgett, Director of Construction
David Cook, Director of Maintenance
Rob Perry, Director of Traffic Engineering
Chris Gaskins, Dir. of Alternative Delivery
Rob Bedenbaugh, Dir. Of Engineering Support

Jennifer Necker, RP Engineer - Lowcountry
Leah Quattlebaum, RP Engineer - Pee Dee
Adam Humphries, RP Engineer - Midlands
Julie Barker, RP Engineer - Upstate
Tad Kitowicz, FHWA

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