APPENDIX G

SCDOT SOFTWARE LIST

GEOTECHNICAL DESIGN MANUAL

January 2022

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SCDOT SOFTWARE LIST

The following list contains the software (both commercially available and non-commerical) used by SCDOT. Consultants are not required to have the same software as the Department. This is provided for reference to the consultants. The non-commercial software is used exclusively internal to the Department except as noted.

Commercial Software

GSTABL7 with STEDwin
Slide
PYWall
MSEW
ReSSA
FoSSA
SNAP2
APILE
LPILE
Shaft
GRLWEAP
FB Deep
RSPile
DEEPSOIL
SHAKE2000
D-MOD2000
RspMatchEDT
SLAMMER
CLiq
gINT
CPeT-IT2
SectionMaker

Non-Commercial Software

SCENARIO-PC
SCDOT SHAKE
ADRS - Site Class & Andrus (Excel spreadsheet)
SPT-SSL_Idriss and Boulanger (Excel spreadsheet)
SPLIQ (Excel Spreadsheet)[1]
CPTLIQ (Excel Spreadsheet)[1]
Bridge Abutment Backwall Seismic Passive Pressures (Excel spreadsheet)
ERS-Grd Imp Selection Matrix (Excel Spreadsheet)[1]
Pile Cost-PDAvsNo-PDA (Excel Spreadsheet)[1]

[1]Available on the Geotechnical Design Webpage of the SCDOT Website