# Assignment 5: Reflection on geotechnical engineering

Copy paste the following questions and type your brief answers underneath them. As always, submit the work at the beginning of the class.

1. What was most interesting to you from the geotechnical engineering presentation? What was confusing to you in the presentation?
2. Use what you learned from the presentation, the web, and engineer friends/relatives to come up with five examples of what a geotechnical engineer may analyze or design? Do any of these appeal to you?
3. Visit this website. Reflect on what you learned. <http://www.issmge.org/en/>
4. ASCE has nine specialty institutes, one of which is Geo Institute. Visit this link and click on Geo-Institute: <http://www.asce.org/institutes/> Reflect on what you learned.
5. Rank your current interest in geotechnical engineering with 1 being least interested and 5 being most interested. Explain your reasoning.
6. Here are companies (see next page) that recently hired our students for civil/environmental engineering jobs. You had already filled this table out for environmental engineering. Now, I am asking you to add info on geotechnical engineering. Fill out the table. You can copy paste your earlier answers from the environmental engineering section and add on the new info for geotechnical engineering.

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| --- | --- | --- | --- | --- | --- | --- |
| **Company** | **Web Address** | **Environmental engineering?** | **What type of environmental work?** | **Geotechnical engineering?** | **What type of geotechnical work?** | **Does this company currently interest you?** |
| American Bridge | <https://www.americanbridge.net/> |  |  |  |  |  |
| Arcadis | <https://www.arcadis.com/> |  |  |  |  |  |
| Applied Environmental Solutions | <https://www.appliedenv.com/> |  |  |  |  |  |
| Army Corp of Engineers | <https://www.usace.army.mil/> |  |  |  |  |  |
| Baker Concrete Construction | <https://bakerconcrete.com/> |  |  |  |  |  |
| Beaver Excavating | <https://www.beaverexcavating.com/> |  |  |  |  |  |
| Danis  | <https://www.danis.com/> |  |  |  |  |  |
| Douglas Company | <https://www.douglascompany.com/> |  |  |  |  |  |
| EPA – Environmental Protection Agency | <https://www.epa.gov/> |  |  |  |  |  |
| Jones and Henry Engineers | <https://jheng.com/> |  |  |  |  |  |
| Hull and Associates | https://hullinc.com/ |  |  |  |  |  |
| Kokosing | <https://www.kokosing.biz/> |  |  |  |  |  |
| Kiewit | <https://kiewitcareers.kiewit.com/> |  |  |  |  |  |
| Langan | <https://www.langan.com/> |  |  |  |  |  |
| Lathrop Turner | <http://www.turnerconstruction.com/> |  |  |  |  |  |
| Marathon Petroleum | <https://www.marathonpetroleum.com/> |  |  |  |  |  |
| Mannik and Smith | <https://manniksmithgroup.com/> |  |  |  |  |  |
| Matrix Technologies | <https://matrixti.com/> |  |  |  |  |  |
| Messer Construction | <https://www.messer.com/> |  |  |  |  |  |
| ODOT – Ohio Department of Transportation | <https://www.transportation.ohio.gov/> |  |  |  |  |  |
| Powers Engineers  | <https://www.powereng.com/> |  |  |  |  |  |
| Rudolph Libbe | <https://rlgbuilds.com/> |  |  |  |  |  |
| SME  | <https://www.sme-usa.com/> |  |  |  |  |  |
| Tetra Tech  | <https://www.tetratech.com/> |  |  |  |  |  |
| Tyme Engineering  | <https://tymeengineering.com/> |  |  |  |  |  |