Concrete Report Requirements:

In addition to General Lab Requirements

Requirements for Portland cement concrete report:

- Description of your project, members in the group and lab sequence to perform your project.
- Brief description of aggregate tests and why we need to perform the tests.
- Description of special design considerations used in your project.
- Briefly discuss the purposes of the three tests performed during the fresh concrete mix.
- Description of the strength tests.
- Discussion of the final results, and also making comments (including suggestions) based on the results of your trial mix.
- Appendix should include data of the aggregate tests used in the design, mix design calculations, and testing data and graphs.

Requirements of Graphs:

- Drawing of Curing days vs. Concrete strength
- Drawing of failure Mohr’s circle

Summary of Results:

- Aggregate data used in the design computation
- Testing results of the three fresh mixing tests (Slump test, Unit weight test and Air content test)
- Compressive strengths: 7-day and 28-day
- Split test: 28-day