UPCOMING CONSTRUCTION ACTIVITIES: WEEKS OF JUNE 18TH & JUNE 25TH

Steel Erection: Structural steel erection continues to make substantial headway on their erection as they are currently nearing the 75% complete mark. There is one-way in and one-way out of the site, which has created numerous logistical obstacles to overcome as a team. Bolander (McGough’s Earthwork/Utility contractor) is continuing to backfill soil around the South and East sides of the addition, however they will have to wait until the basement slab on grade is poured before they can finish backfilling
around the entire building, thereby starting the work on the exterior façade of the new addition. Bolander continues to install storm utilities East and South of East Energy Station (this work must be phased as there are numerous components and trades that have underground work in this area). Our waterproofing contractor is continuing to work side-by-side Bolander as walls become available, they are waterproofing and then backfilling in a harmonious fashion. Bolander and Harris continue to dig and install the underground utilities in the basement before the slab on grade can be poured. McGough’s steel erection partner will continue to erect steel at a swift pace while complying with industry-wide safety regulations and McGough’s safety protocols. They are right on schedule as they continue to work quickly and safely on the erection of the Science Addition. According to our sequencing plan (refer to pictogram on page 3), they have finished erecting the entire West half of the building and are working on topping off the East side of the building. Since the tower crane is almost completely tied up with steel erection currently, a smaller potain crane has been brought to the site to assist in setting the East “ear muff”, or the eastern side of the new atrium. This crane was dropped off at the site on Thursday, May 24th. Harris will start to install the 12” geothermal pipe mains along the south side of East Energy Station. These tie the campus-wide geothermal heating and cooling system to the supporting mechanical equipment needed to distribute the heating and cooling loads to the entire campus. It’s pretty cool to think that the equipment housed within the East Energy Station, when complete will support all of the heating and cooling on the entire campus. This week, McGough’s concrete celebrated a big milestone: they poured the level 1 slab-on-metal-deck (SOMD) pour #1 & pour #2 (refer to pictogram on page 4). This is huge because now trades can begin their underground utility work underneath this deck as a poured concrete deck provides adequate safety for workers. Work on the East ear muff (east end of the atrium) began last week as we start to tie in to Olin Hall. We have started work on the interior of Hulings in an effort to alleviate excessive work during the summer of 2019. This week, McGough is working on setting a big steel beam on the 1st floor of Hulings (this process will be very noisy, we apologize for the inconvenience and ask that you bear with us through this process). Work down in the Hulings Vivarium began this week. The campus, and surrounding neighborhoods, can continue to expect heavy multi-axle truck traffic next week as we continue to move material to and from the project site along Olin Road. Please note that steel erection has begun in earnest and steel delivery trucks will continue to make daily visits until the building is completely erected. Given the small laydown area, there is not adequate room to stage vast quantities of materials onsite at any given time. This requires our structural steel vendors to coordinate “just-in-time” deliveries with the McGough Superintendents and Foremen in order to create an efficient and effective delivery and installation work flow. They are utilizing a small “boneyard” at the base of the tower crane where they are storing the steel going in that same day. As always, safety is our #1 priority on this project and all McGough projects alike. To date there have been 2 very minor injuries reported; neither of these were “lost time” injuries—McGough takes this very seriously and we strive to make sure every worker goes home safely each and every night. We have installed temporary provisions to protect all students and faculty from the increased traffic. We implore everyone to practice “Heads up Commuting” while walking or biking in this area. If you have any ideas on how to improve any of these safety measures as you come upon them, please speak up! Additionally, please feel free to tune in to Carleton’s live webcam to view our progress at the following web address: https://apps.carleton.edu/campus/doc/Sci_Plan_Const/Updates/

Week of June 18th – Temporary provisions start up for the Geo well drilling process this week as well as for the directional boring process for Volume 0 and the master utility plan process for Volume 1. Steel erection will continue while starting preparations for the following week’s level 2 SOMD pour #3.
Week of June 25th – Geo well drilling process begins this week as well as the directional boring process for Volume 0 and the master utility plan process for Volume 1. Steel erection will continue while pouring SOMD pours #3 and #5.

This and next week’s highlighted focus:
SOMD Pour Sequences