UPCOMING CONSTRUCTION ACTIVITIES: WEEKS OF JUNE 4TH & JUNE 11TH

Steel Erection: Structural steel erection continues to make substantial headway on their erection. The tunnel coming in from the South heading into the side of East Energy Station is 100% complete. The lid of the tunnel will get waterproofed this week ahead of our utility contractor backfilling this section of the building. Due to the size of the building footprint, constant communication has been critical for site logistics for all trades to execute their work efficiently and effectively. 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 East Energy Station, 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. 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 the pictogram on the last page), they have finished erecting the entire first floor and are wrapping up the erection of the west half of the building up to the new roof elevation. Now as they finish the last beams and girders in this area, they will continue to work to the East until they are topped out and 100% complete with the steel erection. Since the tower crane is almost completely tied up with steel erection at this time, a smaller “pottain” crane has been brought to the site to assist in setting the East “earmuff”, or the eastern side of the new atrium. This crane was dropped off at the site on Thursday, May 24th. McGough’s concrete group is working on the foundations between the basement and Olin lecture hall by incasing a few steel beams in concrete. Harris (McGough’s mechanical contractor) 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 loads to the entire campus.

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 4th – 1st level slab-on-metal-deck (SOMD) process begins with a target date for the 1st SOMD pour on Friday, 6/8/18. Basement slab-on-grade process begins this week. East ear muff process will also begin this week. Demolition of the tile on Hulings 1st floor will begin on Tuesday of this week.

Week of June 11th – Targeting to pour the second half of 1st floor SOMD, backfill the South and East side of the addition immediately following SOMD pour #2, Hulings Vivarium process begins on 6/11/18, Hulings 1st floor structural beam install process begins (**Note: This will be a noisy activity).
This and next week’s highlighted focus: