


MODULE 05 – SITE LOGISTICS

Part A – Site Logistics Map

Objective: To understand the way that a construction site is developed and how it evolves over time is crucial to the success and safety of any project, especially when building on an active campus.

1. Using the blank map attached, you are tasked with creating a proposed site logistics map for the project.

Part B – Site Logistics Analysis

Additionally, using the following list of prompts please create a concise write-up of your assumptions and conclusions:

1. In case of emergency, every site needs to provide Fire Lane for fire trucks and ambulances. By code, how wide does this lane need to be? Please identify this on your map and explain in your write up why it makes sense for this site.
2. DPR prides itself as being a hands-on builder, and as such needs to be physically on-site to address any urgent issues that may arise. Determine how large your workspace needs to be based upon the size of your jobsite team from your GCs & SOV Module. Be sure to locate your team trailers on your site logistics map.
3. When working on multi-storied projects, phasing becomes a crucial part of scheduling and site layout logic. Based on your construction schedule, explain your assumption for how long it will take to erect each floor.
    a. How many points of egress are required for sunken or raised work areas?
    b. Where will you locate your temporary stairs and scaffolding?
        i. When will the stairs and scaffold jump floors?
        ii. When can they be taken down?
        iii. Be sure to take these into account in your Schedule and GC modules.
    c. How is your team planning on getting materials to floors above the first?
        i. Will you use a tower crane? Mobile RT cranes? Man-lifts?
        ii. Where will they be located?
        iii. When in your schedule will you need them?
        iv. Which subcontracts do you expect to provide their own hoisting arrangements?
        v. Be sure to take these into account in your Schedule and GC Modules.
4. For DPR to maintain a safe environment for both laborers and civilians, clear delineation and protection from hazardous areas is crucial. Identify your construction fence boundaries and


emergency egress paths. Identify safe evacuation zones on your map and explain how our project will this affect the emergency egress routes of operational buildings.

5. Based on your understanding of the project, what SQFT laydown area is needed?
    a. What materials will need to be stored?
    b. Where will you put them to be most effectively unobstructed and accessible?
6. When a new building is under construction, and before it is connected to the public utility grid, it still needs power and water. On your map, identify where will you run your temporary power and water from? In your write-up, identify at least 5 reasons these are needed on an active construction site.
7. The number of porta-potties, hand-wash stations, fire extinguishers, and dumpsters required on a job-site is dictated by your peak crew size.
    a. What phase of the project will require the largest crew sizes?
    b. Where will you locate the temp. facilities? Please consider site coverage and spacing.
    c. How many of each will be needed?
8. Landscaping is a large portion of our scope that is critical before project turnover, but very susceptible to damage and rework. How will you phase the landscape install and which areas will come very last? Identify these areas and explain your thought process.

<u>Required Deliverables:</u>

1. Complete Site Logistics Maps in PDF format
2. Submit answers to questions in bullet point format