**CE332**

**CONSTRUCTION ENGINEERING AND MANAGEMENT**

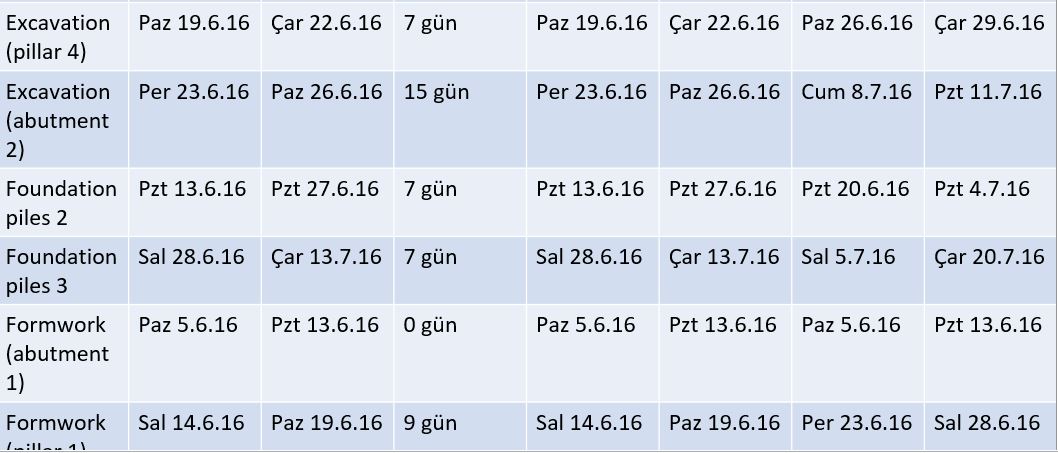
**SCHEDULING AND RESOURCE ALLOCATION ASSIGNMENT**

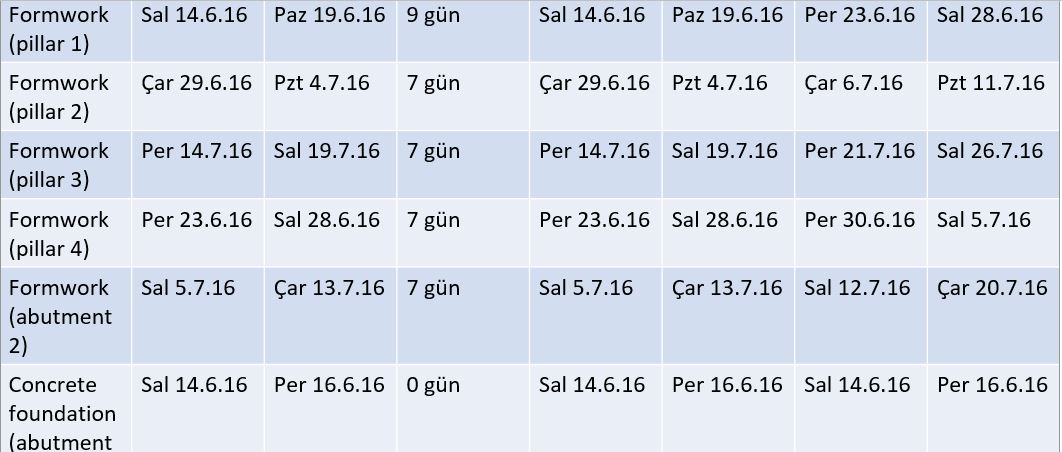
**SECTION 5**

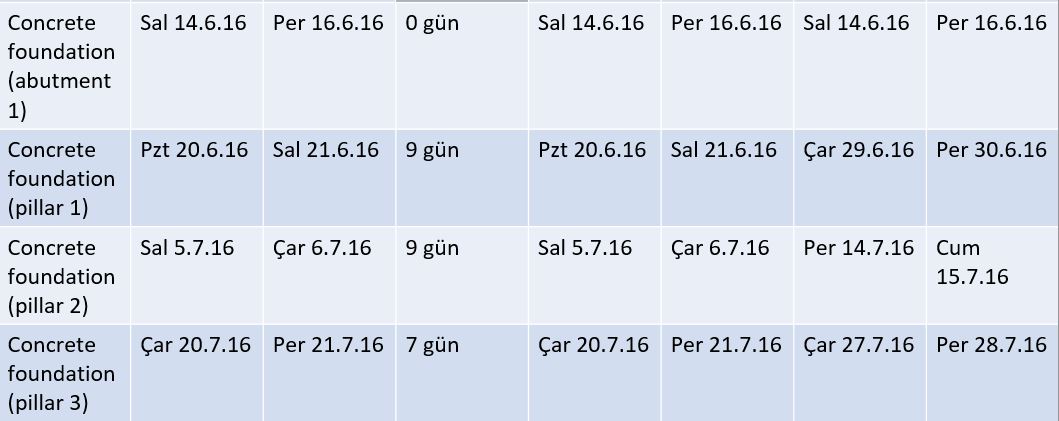
For unlimited resources case (part a): When sources that got ready for construction are unlimited, works are shared same resource don't depend to each other. They just wait for the ending of their dependence.All works can be started at the same time and the job will be ended up in a shorter time compared to limited case.

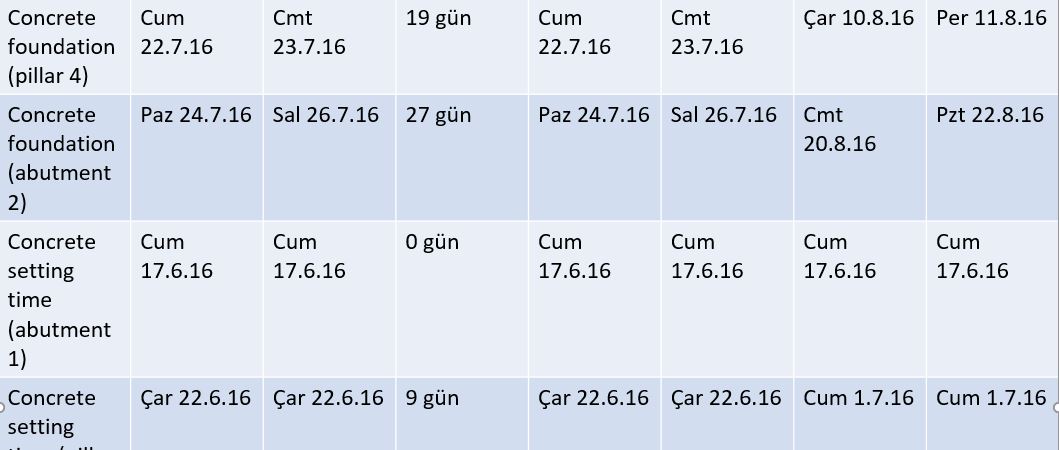
**Part a:** Unlimited case

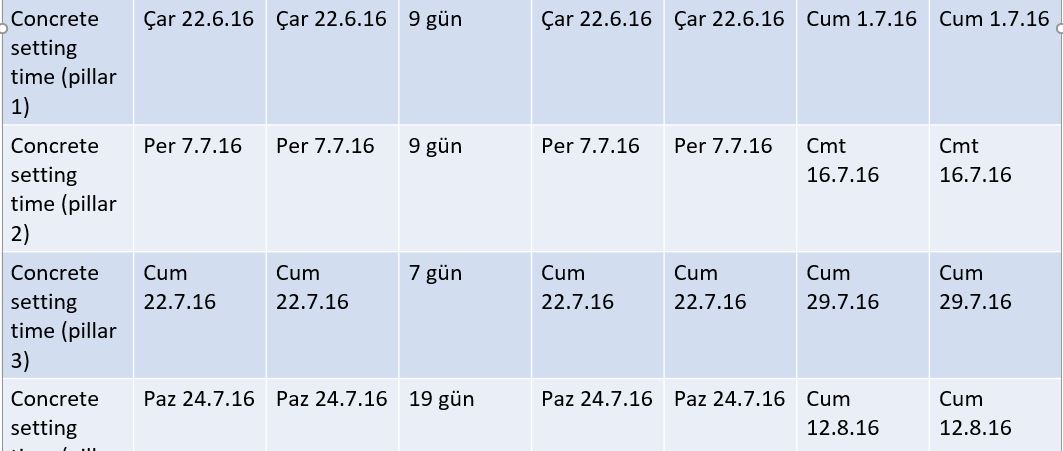


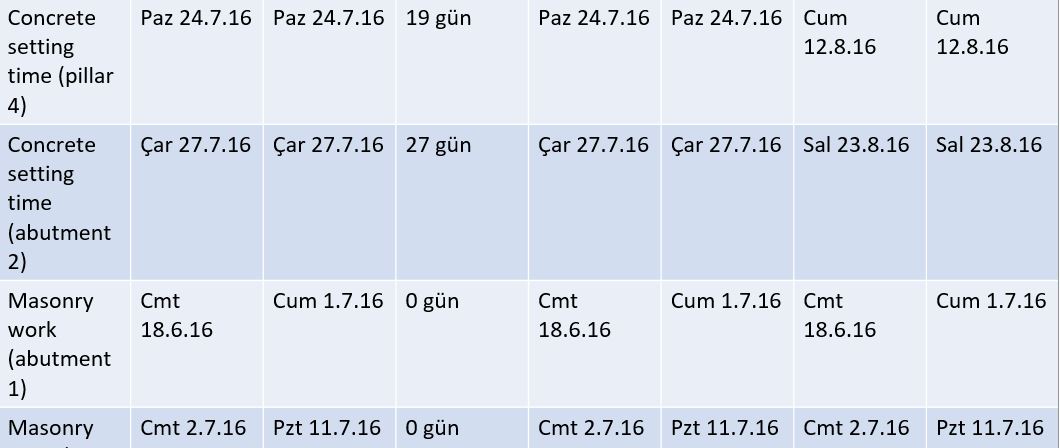


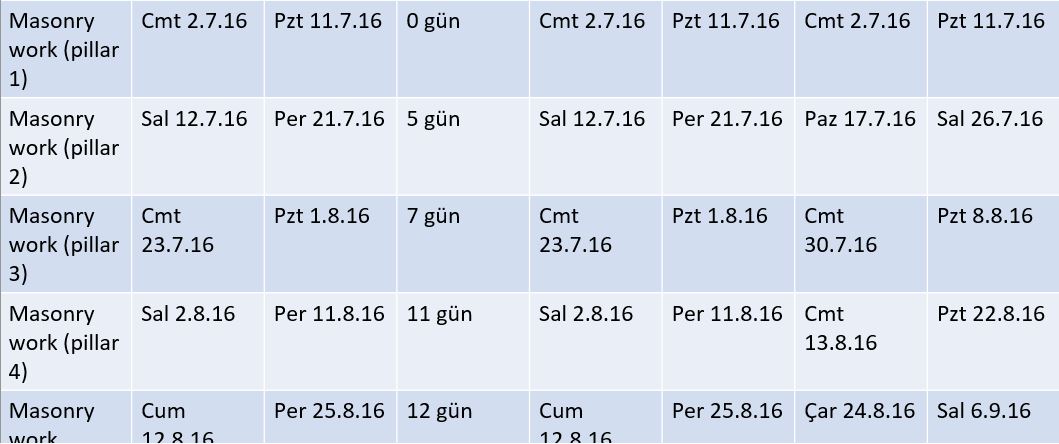


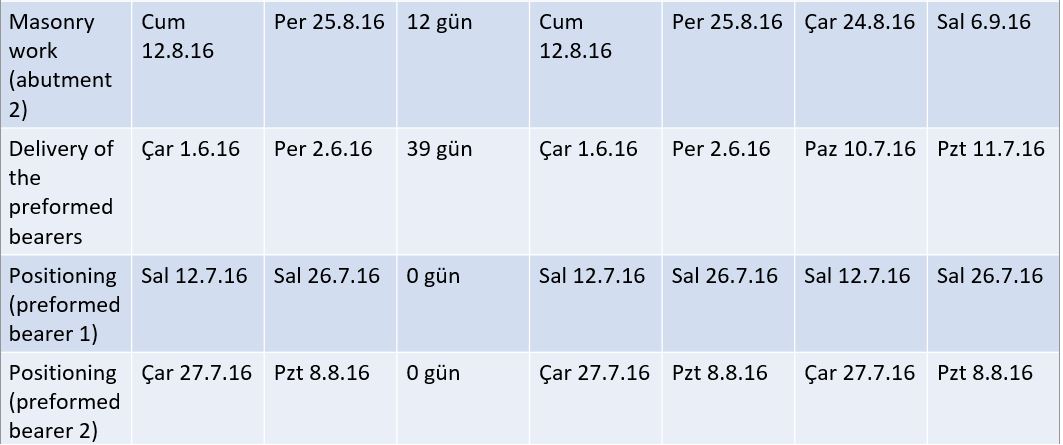


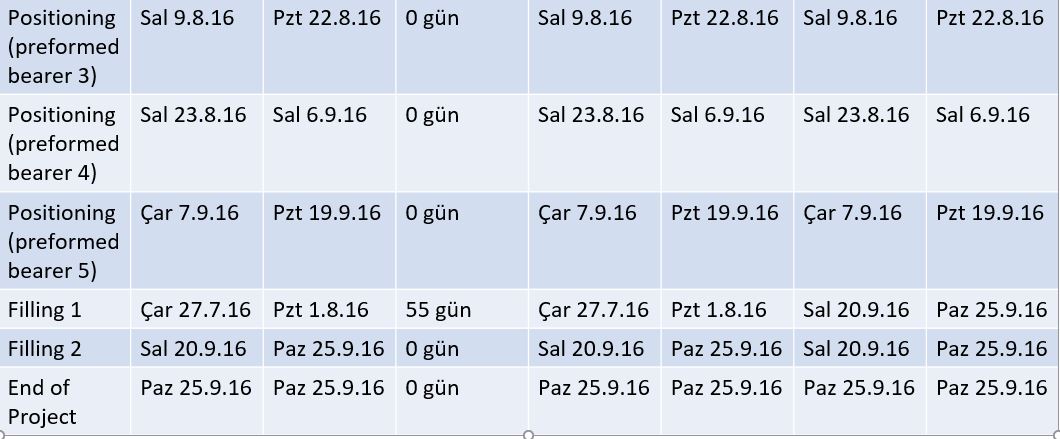


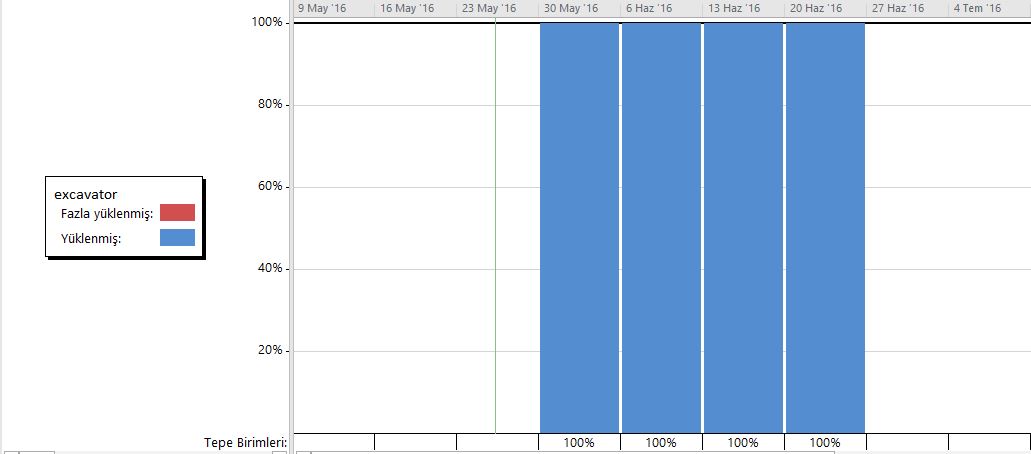


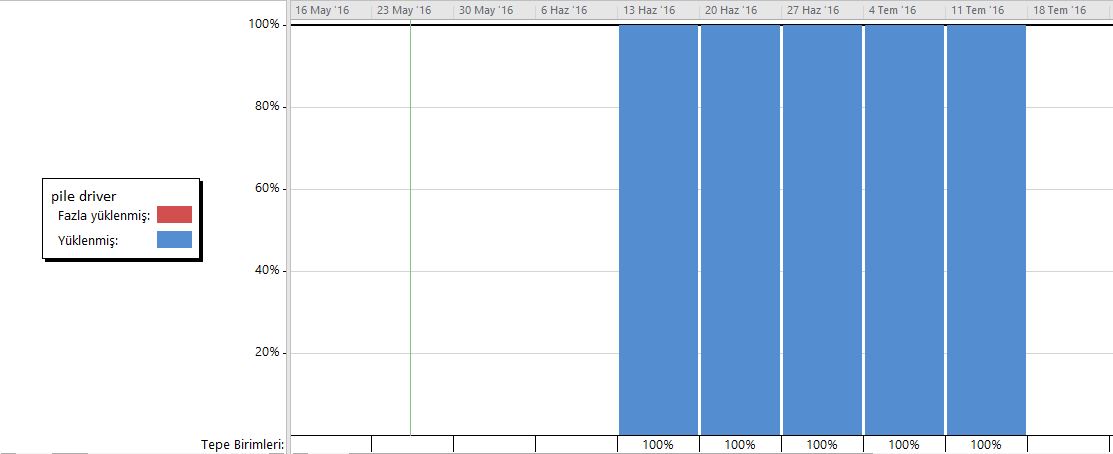


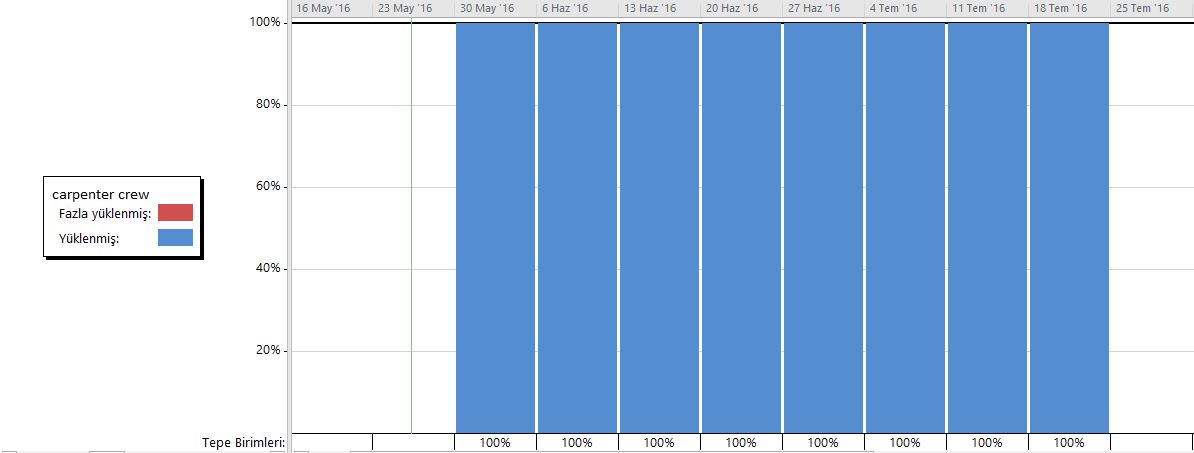


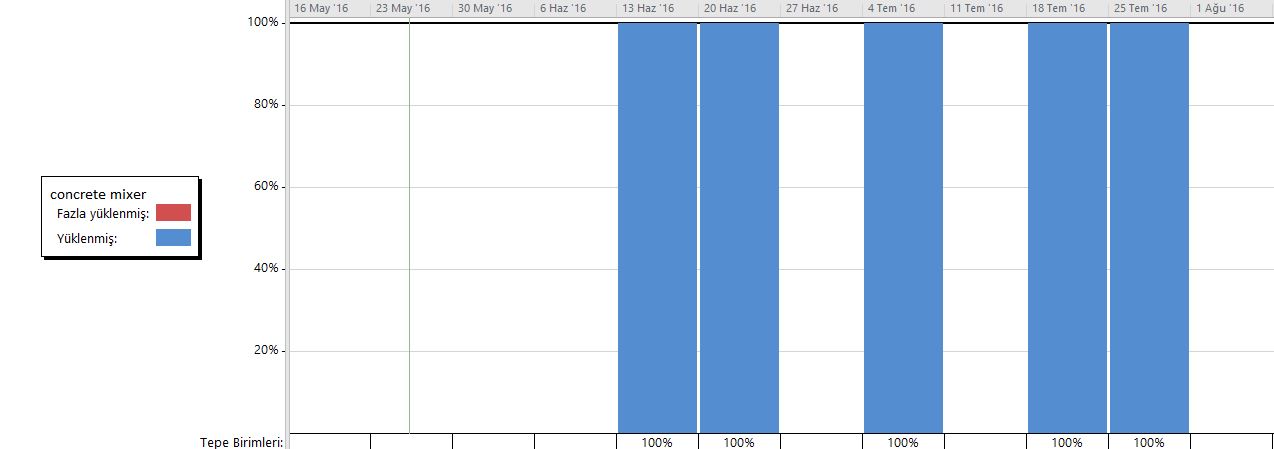


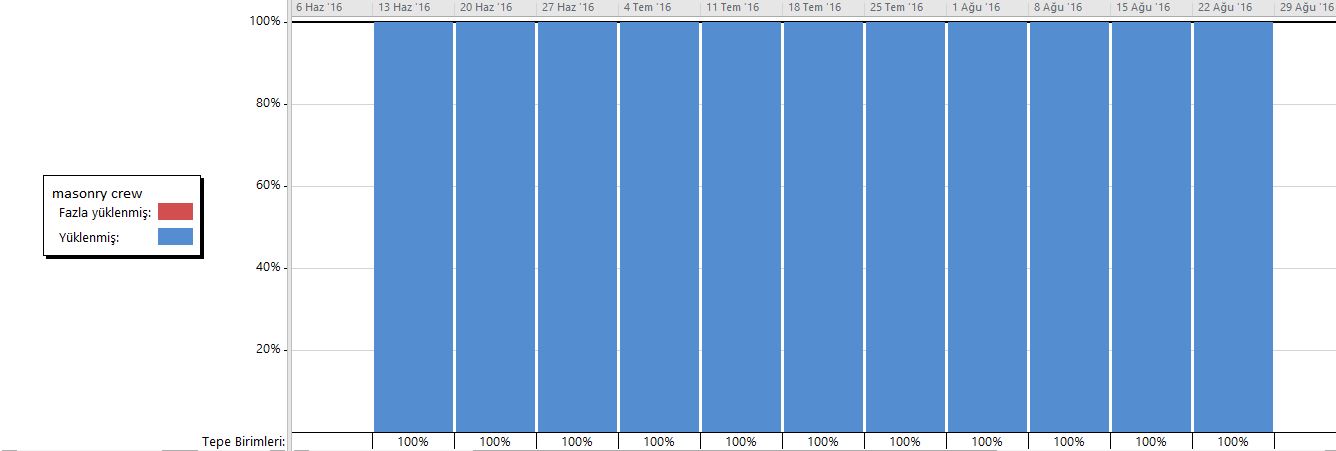


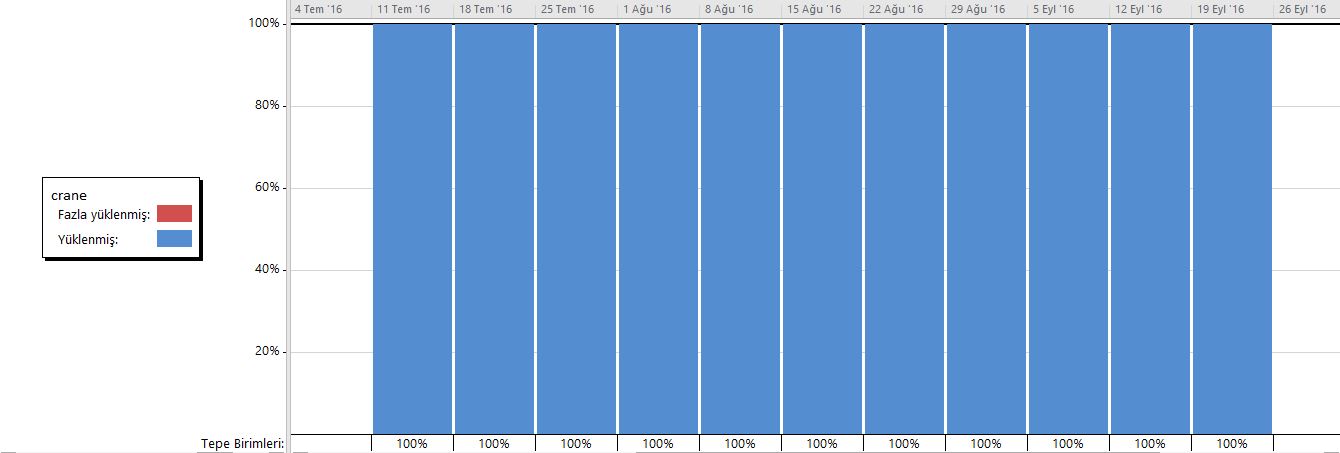


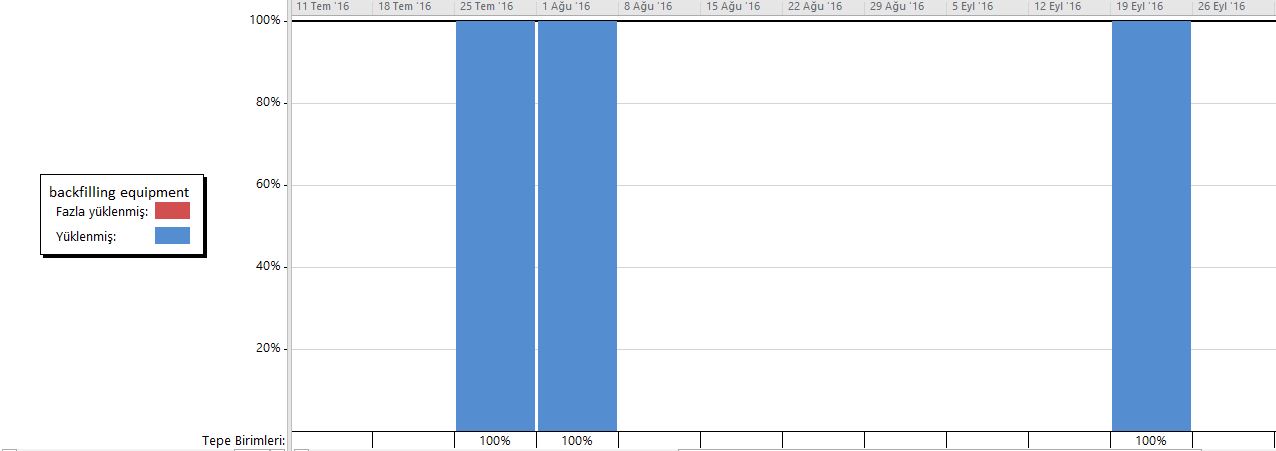












For limited resources case (part b): When sources that got ready for construction are limited, works are shared also depend to each other. All works –except first ones- must wait the ending of the previous one to start.For this reason, total project time will extend and the job will be ended up in a longer time compared to unlimited case.

**Part b:** Limited case

