

THE EFFECTS OF COVID-19 ON PRODUCTIVITY IN PROJECT MANAGEMENT: A CASE STUDY



Safety First, 2020

Methodology

10 semi-structured interviews conducted in August 2020, with project engineers/managers at Swinerton.

Significance

The main objective of this case study is to inform construction companies on how their project's productivity has been affected by the pandemic. This is to identify necessary adjustments these companies will have to make in order to improve the productivity on their projects while keeping their workers safe.



(COVID-19 Construction Job Site, 2020)



(Safety Sign, 2020)

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Abstract

The COVID-19 pandemic has affected productivity in the construction industry in many ways. Monitoring productivity on a job is important because it allows us to identify areas that take up the most time and thus gives us the opportunity to allocate resources effectively. This case study focuses on how the pandemic has affected productivity on the project management side of a job. It was determined that COVID-19 had an overall negative effect on the productivity of multiple jobs. These conclusions were determined after conducting 10 semi-structured interviews with project engineers/managers at Swinerton Builders. The purpose of this case study is to inform construction companies on how their project's productivity levels have been affected by COVID-19.

Key Words: COVID-19, Productivity, Project, Management, Construction

Conclusion

This case study has shown that COVID-19 had an overall negative effect on the productivity of the project management side of a job. It is essential to recognize these productivity changes and develop solutions that keep our projects going.

ACCORDING TO THE 10 PROJECT ENGINEERS/MANAGERS INTERVIEWED:



9 OUT OF 10 said that COVID-19 has had a negative effect on their project's productivity



100% of employees interviewed said the new safety protocols have slowed down productivity

7 OUT OF 10 said the schedule and budget was negatively affected by COVID-19



60% of employees interviewed said they were more productive working from home than in the office