

Construction Productivity and Inefficiency Analysis

Bringing a construction project in on time and within budget depends on hundreds of tasks being completed in order, each of which depends on the speed and efficiency with which they are completed.

Labor productivity disputes are sore spots in any construction project. Responses to accusations of low productivity are often more emotional than rational. Productivity loss claims are also difficult to differentiate from direct-loss claims, and are seldom tracked with accuracy or objectivity.

In short, establishing the right to be compensated for productivity losses is not easy. That is why you should partner with Construx Solutions.

How Is Productivity Measured on a Construction Project?

The formula for construction labor productivity is **not** simply comparing the labor hours expended against the quantifiable amount of work completed. Productivity losses occur when specified installation rates are not met and it takes more time, manpower and equipment to accomplish the same ends, which increases costs.

The **true** challenge, however, in assessing productivity and inefficiency impacts on a project comes in answering these critical questions:

- **When** did the impact occur?
- **Why** did the impact occur?
- **Who** is ultimately responsible for the impact?

What Impacts Construction Labor Productivity?

Construction project labor productivity can be negatively affected by numerous factors, some of which include:

- Mismanagement
- Site access restrictions
- Defective plans/specs
- Changes in tasks or construction means and methods
- Unforeseen site conditions
- Work task starts and stoppages
- Unachievable bid estimates
- Labor shortages
- Rework and comebacks
- Test or inspection delays
- Overtime/shift work
- Internal or external interference
- Adverse weather conditions

Construx Solutions Puts the Productivity Back in Your Project

There are stringent requirements for winning a labor productivity claim. First, you must isolate the cause of the productivity issue. Next, quantify the losses caused by the issue. Then, establish a demonstrable cause-and-effect relationship. Finally, establish entitlement to damages.

Construx Solutions' construction claims professionals have extensive knowledge of — and expertise in performing — labor productivity evaluation, tracking, impacts and damage quantification techniques.

We also bring to the table extensive experience in labor productivity loss claims, from first dispute to final decision. We not only prepare the cases and analyze them in detail, but present them in mediation sessions and offer expert testimony in litigation and arbitration hearings.

Construx Solutions Is Up to the Challenge of Labor Productivity Claims

While all labor productivity disputes present specific circumstances and often-unique challenges, Construx Solutions' analysis of each case has a solid foundation for meeting those challenges, built on our industry-specific education, specialized training and in-the-field experience.

Our presentation of each case is constructed to be as complete and indisputable as possible by utilizing the following evidentiary methods:

- Personnel interviews and testimony
- Relevant documents and records, such as progress reports and time sheets
- Construction industry-specific labor productivity research studies and reports

Construx Solutions Has the Means and the Methods

Our labor productivity experts specialize in such issues and utilize industry-recognized productivity analysis methodologies and practices appropriate to your case. Some of these include:

- Earned Value Analyses
- Work Sampling Analyses
- Comparable Work Studies
- General Construction Industry and/or Construction Specialty Studies
- Total Cost Methodology

The methodology is selected according to the facts of the dispute, which means that a methodology employed for one dispute may not be appropriate for another. We tailor our approach to the project to make best use of the selected methodology in bringing in a favorable decision.

Construx Solutions Builds Your Best Case for Productivity

If you are facing a labor productivity claim dispute, contact Construx Solutions today. When productivity is the issue, we deliver.