800.626.0054
glassratner.com

Labor Productivity Analysis

Labor productivity claims are some of the most contentious claims in the construction industry due to the fact that labor productivity losses are often difficult to distinguish contemporaneously. Additionally, labor productivity rates and other related data are often not tracked on construction projects with any degree of precision. As a result, substantiating a cause-and-effect relationship between issues and resulting labor productivity losses and establishing entitlement to recovery for lost labor productivity can be a difficult process. Labor productivity loss is experienced when a contractor is not accomplishing the anticipated or planned production rates; in other words, a loss of productivity is when it takes more labor and equipment to do the same amount of work, thereby increasing project costs.

Expert Services

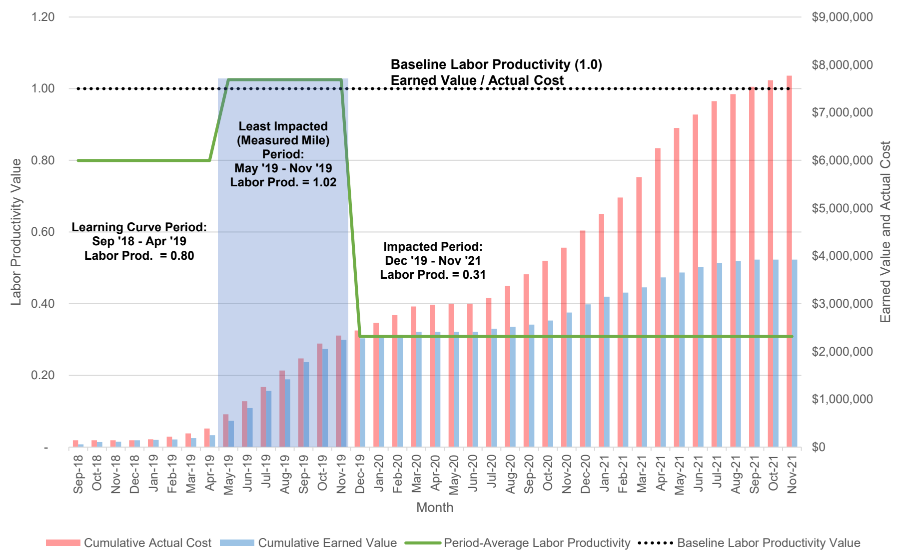
GlassRatner's (formerly Interface Consulting) construction management experts have in-depth knowledge of productivity tracking methods and quantification techniques and possess extensive experience evaluating labor productivity issues, performing root cause analyses, and quantifying damages. Our experts prepare and analyze labor productivity claims, present in mediations, and testify in litigation and arbitration proceedings on issues concerning labor efficiency and productivity loss.

GlassRatner has in-depth knowledge of labor productivity tracking and controls, impacts, industry studies, and quantification techniques. While each project has its own unique challenges and issues, GlassRatner's labor productivity analyses typically consider our experience in the field as project/construction management professionals; testimony and interviews of key project personnel; contemporaneous project documents (e.g., progress reports, daily reports, time sheets and labor records, etc.); our education and specialized training; as well as industry labor productivity studies and reports.

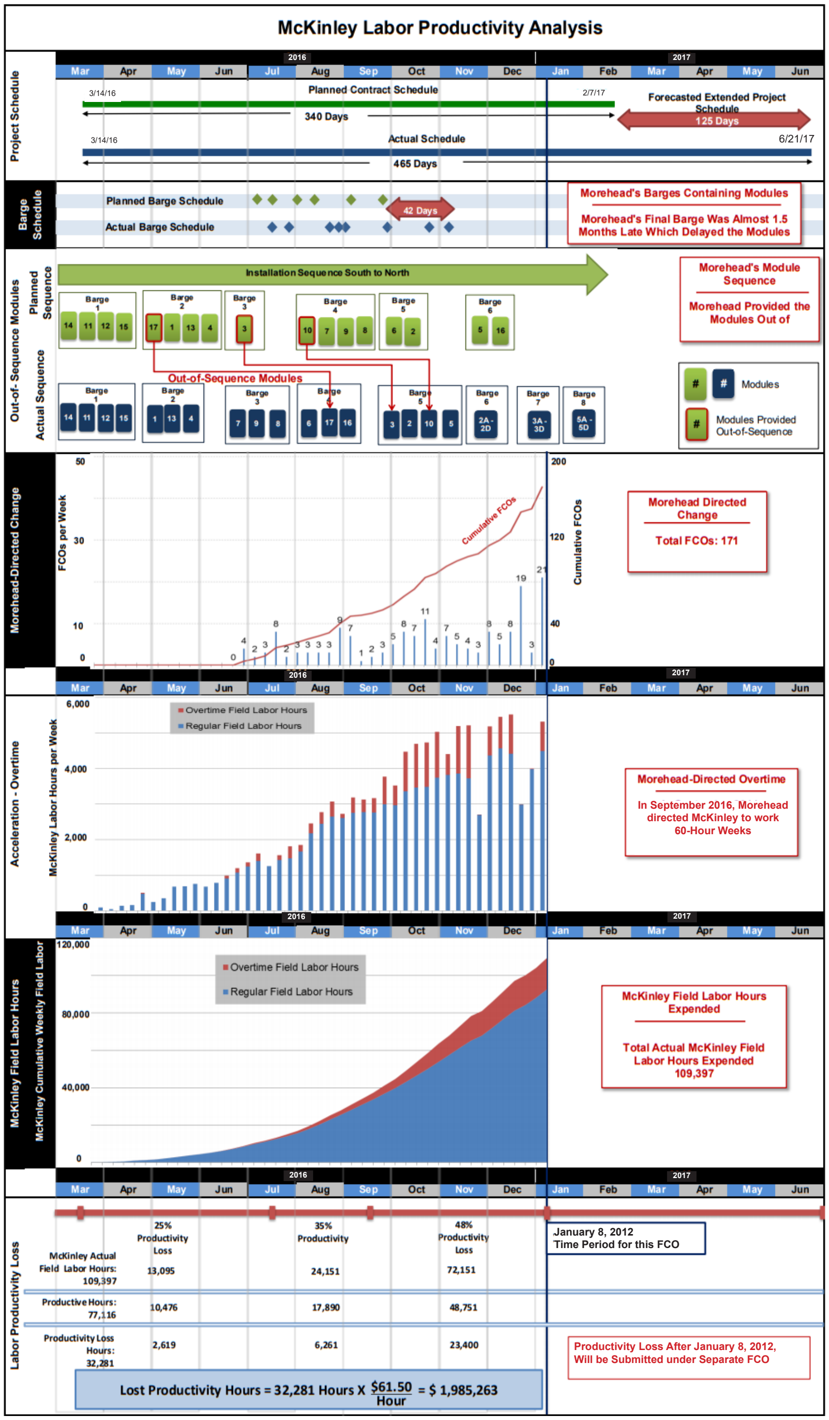
Analysis Methodologies

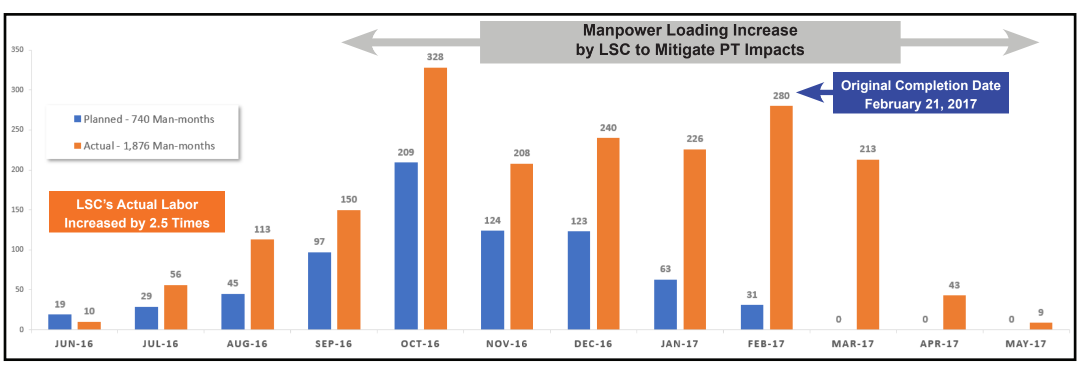
Our construction management experts specialize in labor productivity analysis and utilize the following industry-recognized methodologies:

- Measured Mile Analysis
- Earned Value Analysis
- General and Specialty Industry Studies (Mechanical Contractors Association of America [MCAA], Construction Industry Institute [CII], Business Roundtable, etc.)
- Modified Total Cost Method
- Total Cost Method



Representative Graphics





Common Causes for Labor Productivity Losses

There are many common causes for labor productivity impacts on a construction project, stemming from owners, contractors, and construction managers. Common causes include, but are not limited to, the following:

- Mismanagement and maladministration
- Site access restrictions and trade interferences
- Differing site conditions
- Defective plans and/or specifications
- Out-of-sequence work
- Changes in the work
- Labor availability
- High turnover
- Excessive rework or testing/ inspections
- Prolonged overtime and/or shiftwork
- Changes in construction means and methods
- Inclement weather