

Productivity Factors

These are just some of the not-so-obvious factors that can seriously slow progress on site;

Problem	Symptoms	Consequences
Trade Stacking	Operations taking place within physically limited space with other contractors	Congestion of personnel, inability to locate tools conveniently, increased loss of tools, additional safety hazards, increase in visitors, optimum gang size cannot be used
Moral & Attitude	Excessive hazard, competition for overtime, over-inspection, numerous variations, disruption of work pattern or poor site conditions	Loss in quality of work, increasing need for re-working, poor time keeping, absenteeism
Partial Possession	Use of premises by others before practical completion	Need to work over or around or in close proximity to Employer's personnel, restrictions on noise or working hours, increased security requirements, increased health hazards and increase in visitors.
Joint Occupancy	Change involves additional trades not anticipated at time of tender	Congestion of personnel, inability to locate tools conveniently, increased loss of tools, additional safety hazards, increase in visitors, optimum gang size cannot be used
Site Access	Interference with convenient access to work areas	Congested work site
Logistics	Difficulties in supply of Developer-supplied good, plant and equipment. Changes causing difficulties in procurement and delivery of materials	Loss of control of material flow to work areas. Rehandling of substituted materials
Fatigue	Stopping basic contract work to give attention to work arising out of changes	Affects productivity on basic contract work
Ripple	Changes in work package having an effect on other work packages not directly connected with the change	Productivity affected on other trades and work areas
Weather Changes	Very hot, Very cold, very windy, very wet, very humid, ice, snow	Loss in quality of work, increasing need for re-working, poor time keeping, absenteeism
Overtime	Physical fatigue and poor mental attitude	Loss in quality of work, increasing need for re-working, poor time keeping, absenteeism