

Project Planning & Control

Lesson 6

Project Scheduling Levels (Scheduling Engineer Responsibilities)

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Scheduling / Planning Engineer Responsibilities -1

Wide range of duties involving ; **initial job planning; scheduling of time; scheduling of materials, coordination of subcontractors; monitoring of job progress; analysis of changes, and problem solving.**

Specifically, the scheduler will produce the contractor's Initial Schedule and **then update the schedule throughout construction.**

He or she will also use the schedule to analyze the impact of **change orders, delays, and any other schedule disruptions.**

Scheduling / Planning Engineer Responsibilities -2

The scheduler works very closely with the **project manager, project execution team, and the subcontractors** during the preparations and updating of the construction schedule. Because of this, the scheduler must possess good **communication skills**.

He or she will continually be producing critical scheduling information for the project team's use.

Therefore, the scheduler maintains an **important support role to the project superintendent, project manager, and all other parties associated with the project**.

Scheduling Levels

Level 1: Schedule Executive Summary, also called a Project Master Schedule (PMS).

This is a major milestone type of schedule;

Level 2: Schedule Management Summary, also called a Summary Master Schedule (SMS).

It depicts the overall project broken down into its major components by area and is used for higher-level management reporting.

Level 3: Schedule Project Coordination Schedule (PCS) also called a Publication Schedule.

Initially developed as an integrated Critical Path Method overview of the project.

Scheduling Levels

Level 4: Schedule Execution Schedule, also called a Project Working Level Schedule.

Detailed working level schedule, where each schedule is an expansion of part of a Level 3 schedule

Level 5: Schedule Detail Schedule.

The further breakdown of the activities of a Level 4 Schedule.

Questions & Discussion