

Level 1 Schedule Development

A Level 1 Schedule

A Level 1 Schedule is a high-level graphical representation of the cumulative or periodic allocation of labor over the project. It provides stakeholders with a quick overview of overall resource demands, peak usage periods, and alignment with major milestones.

Gather All Required Information

1. Save a copy of the **Resource Curve Template** into the project folder.
2. Collect the following information and verify their accuracy:
 - a. **Hours to be worked per week.**
 - b. **Major milestone dates** from the GC schedule.
 - c. **Electrical activities** listed in the GC schedule.
 - d. **WBS structure** from GC.
 - e. **Accubid estimate**, including internal subs (technology, civil, etc.) if they are part of the resource curve.

Determine Activities for the L1 Schedule

1. **Identify** how the project will be tracked (system, floor, etc).
2. **Review** WBS and GC schedule activities, and if unclear, modify to create a logical breakdown.
3. **Validate** the activity breakdown with the PM team and Field Leadership.

Load Activity Data into Resource Curve Template

1. Enter **activity names** and **hours per week** into the template.
2. Export **labor hours** from **Accubid**, grouping line-items to align with activities.
 - a. Use a **Pivot Table** to summarize hours by activity.
3. Add **indirect hours** (supervision, cleanup, orientation, labor factors) using multipliers.
4. **Validate** that the hours in the template match the estimate total.

Assign Start and Finish Dates

1. Using GC milestones and activities as a guide, or your best judgement, assign start and finish dates into the template.
2. Review **average crew sizes**: If crew size seems unrealistic, adjust dates to flatten the curve.
3. Cross-check with **Procurement** and long-lead items to ensure start dates are achievable.

Review and Adjust Resource Curve

1. Refresh **Pivot Tables** to generate the initial curve.
2. Look for **spikes**, **steep ramp-up/down rates**, or unrealistic workforce peaks.
3. **Adjust start/finish dates** (while maintaining GC milestones) to smooth the curve.
4. **Validate** the activity breakdown with the PM team and Field Leadership.

Finalize and Save

1. **Save** the final Resource Curve file in the project folder.
2. **Share** with PM team, Field Leadership, and estimating team.
3. **Document key assumptions** (crew sizes, work hours, indirect factors) for future reference.

Use the Curve for Planning

1. Use the curve to **forecast** labor needs, **support** look-ahead schedules, and identify **risk areas** (e.g., workforce shortages).
2. **Update** the curve if major scope changes occur, or if GC milestones shift.

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Example Level 1 Schedule:

APDM SAMPLE - Level 1										SML1A - Contains Site, Entrance or MYD										27-Mar-25 11:04												
Activity ID	Activity Name	Orig Dur	Rem Dur	Physical % Complete	Start	Finish	Total Float	Budgeted Labor Units	Predecessor Details	Successor Details	2024					2025					2026					2027						
											M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Total		239	239		30-Jan-25	31-Dec-25	0	0																								
APDM SAMPLE - Level 1		239	239		30-Jan-25	31-Dec-25	0	0																								
1010	Bid Date	0	0	0%	30-Jan-25*		0	0																								
1000	Issue RFP	0	0	0%	03-Feb-25*		0	0																								
1020	Interview Contractors	0	0	0%	10-Feb-25*		0	0																								
1030	Award Contract	0	0	0%	14-Feb-25*		0	0																								
2000	Contractor Mobilize	0	0	0%	03-Mar-25*		0	0																								
2010	Start Construction	0	0	0%	17-Mar-25*		0	0																								
2040	Start Utility Installation	0	0	0%	17-Mar-25*		0	0																								
2030	Start Slab-on-Grade	0	0	0%	31-Mar-25*		0	0																								
2020	Finish Civil Work	0	0	0%	30-May-25*		0	0																								
2070	Permanent Power	0	0	0%	15-Jul-25*		0	0																								
2050	Building Dry In	0	0	0%	01-Aug-25*		0	0																								
2060	Building Climate Conditioned	0	0	0%	01-Oct-25*		0	0																								
3010	Building Commissioning Start	0	0	0%	10-Dec-25*		0	0																								
3000	Building Complete	0	0	0%		31-Dec-25*	0	0																								
3020	Commissioning Complete	0	0	0%		31-Dec-25*	0	0																								

█ Actual Level of Effort █ Remaining Work ◆ Milestone █ Critical Remaining Work ▼ summary

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TASK filter: SML1A - MYD, Site or Site Entrance.

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