

WHATS WRONG WITH P6

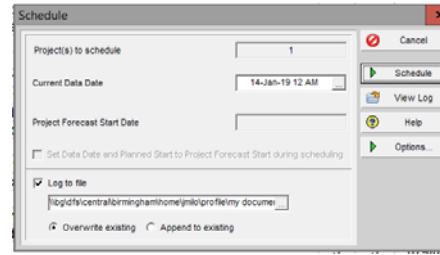
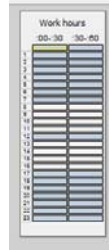


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What's Wrong with P6 – A Contractors Perspective

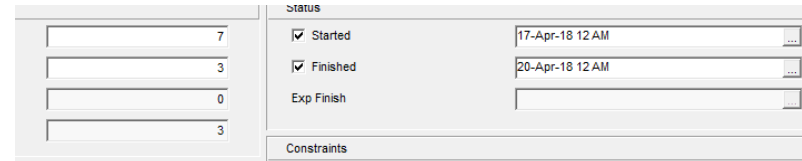
▶ 12:00AM

- Projects are set up using a work day format yet the software insists on calculating by the hour. Unfortunately, unless you check it, it calculates by an hour that is not even in your calendar as a work hour



- Randomly assigns a 12AM actual start and finish to activities
 - This causes errors in calculations which can ripple through your schedule and show successor activities with FS relationships starting on the same day that its predecessor finishes.
 - Calculates an incorrect Actual & At Complete duration
 - No apparent Rhyme or reason to which activities it assigns the 12AM to.

06-Apr-18 08 AM A	27-Apr-18 05 PM A
09-Apr-18 12 AM A	16-Apr-18 12 AM A
17-Apr-18 12 AM A	20-Apr-18 12 AM A
23-Apr-18 12 AM A	30-Apr-18 12 AM A
30-Apr-18 08 AM A	03-May-18 12 AM A



- Work around
 - By going into user preferences and showing the time units the software seems to correct itself and apply the proper start and finish time



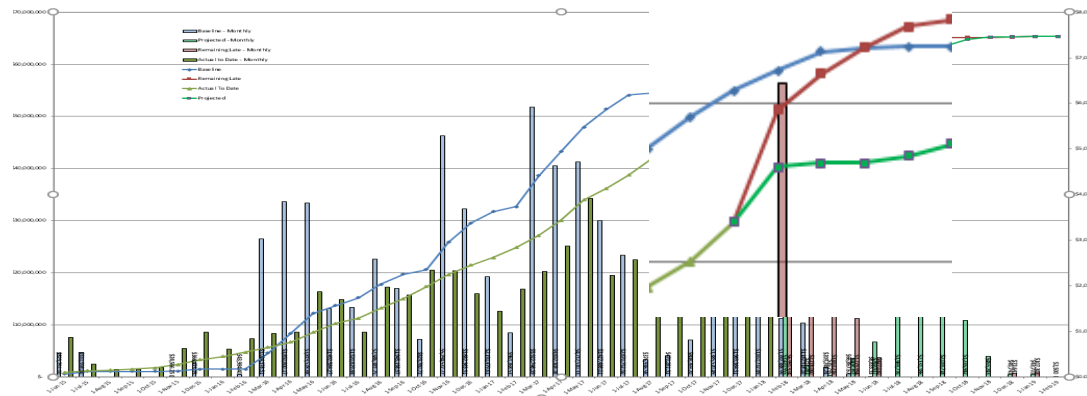
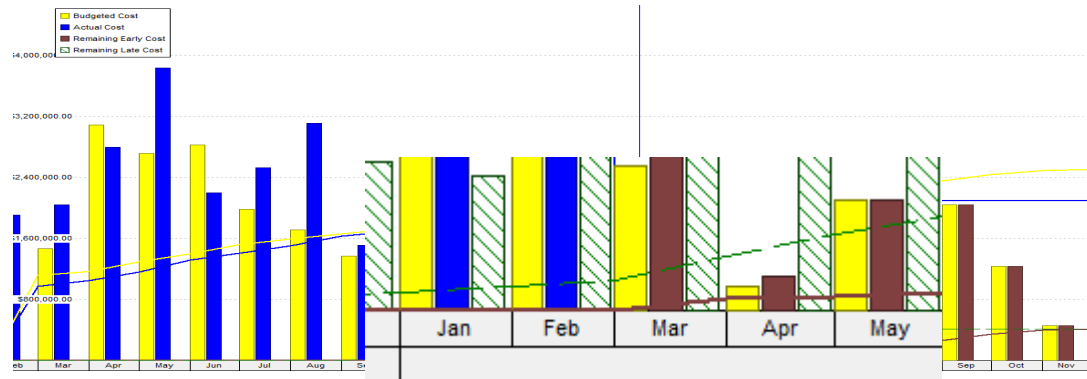
What's Wrong with P6 – A Contractors Perspective

- **Claim Digger**
 - Do I really need to elaborate on this?
- **Visualizer**
 - Extremely difficult and unintuitive to use
- **Ability to Open Multiple Projects in Different Windows**
 - Biggest thing we miss from P3
 - Yes, you can open multiple projects but they are all in the same window and sharing the same layout. This does not work when you need to jump into a project and run a report or make some quick edits. Currently you need to close the project you have open then open the other project, then close that one and go back to the one you were working on.
- **Layouts Using Project Specific Codes**
 - When copying a schedule and the opening the new copy all of your layouts using the project specific coding needs to be rebuilt.
 - Even though all of the coding is the same P6 considers the new schedule a different project and none of the coding assigned to a layout transfers with it.

What's Wrong with P6 – A Contractors Perspective

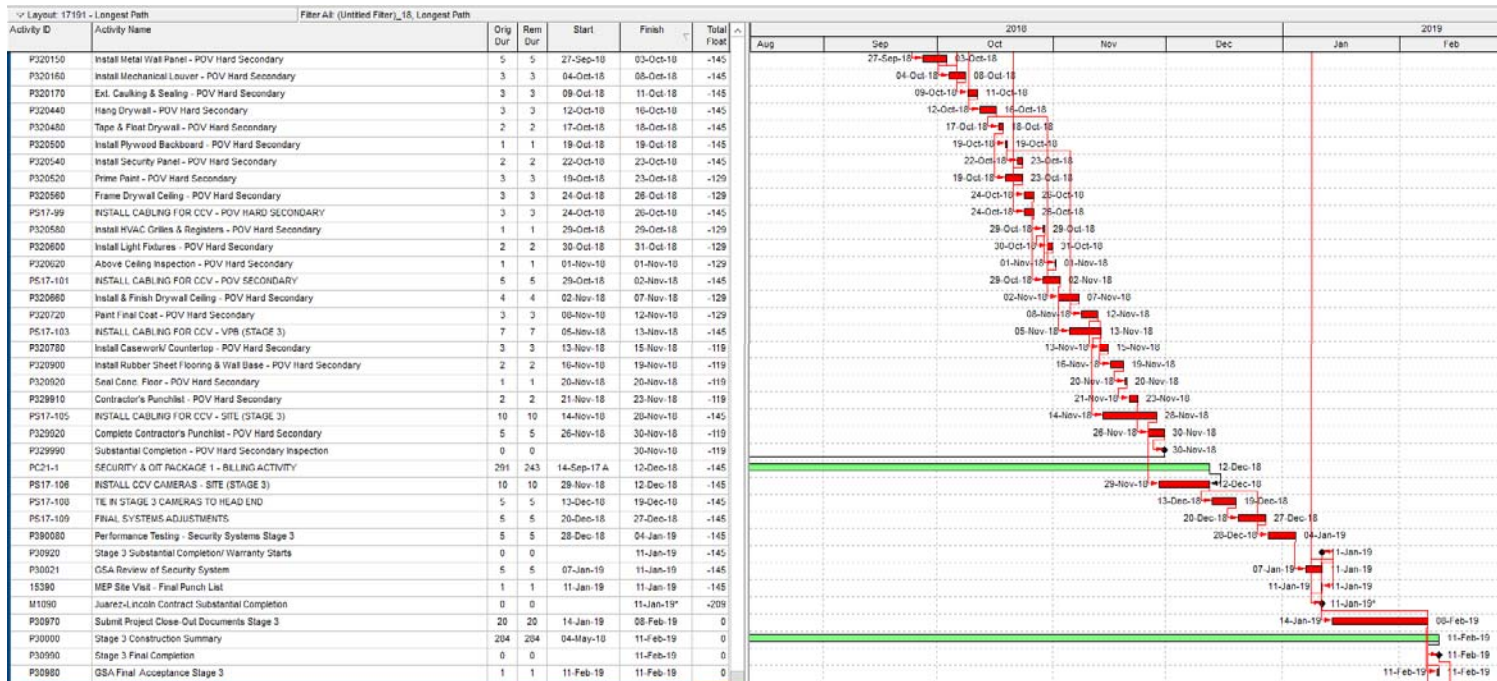
- **P6 Can Not Produce A Proper Resource Curve**

- Cumulative Graph starts at “0” at the data date instead of starting where the actual to date left off as it should.



What's Wrong with P6 – A Contractors Perspective

- **Activities that are not on the longest path showing up on the longest path filter**
 - Happens when you use level of effort bars and it is tied to activities on the longest path
 - Filter will display any activity ties to that level of effort bar





What's Wrong with P6 – A Contractors Perspective

- **No Project Specific Resources**
 - Resources are only creatable and assignable at the global level
- **No Previously Billed Calculations**
 - In a cost loaded schedule used for the purpose of billing P6 has the ability to show you what was billed in the previous month but not the total previously billed.
 - Work Around
 - Create a user defined field called “Previous Billed” and run a global change where $\text{Previous Billed} = \text{Actual To Date} - \text{Actual This Period}$
- **Costs & Resources should be separated**
 - In P3 non-labor costs are resources are separate. This worked very well for managing a cost loaded schedule.
 - The only way to properly cost load a schedule is to make cost a resource.
 - Expenses DO NOT work for managing a cost loaded schedule.

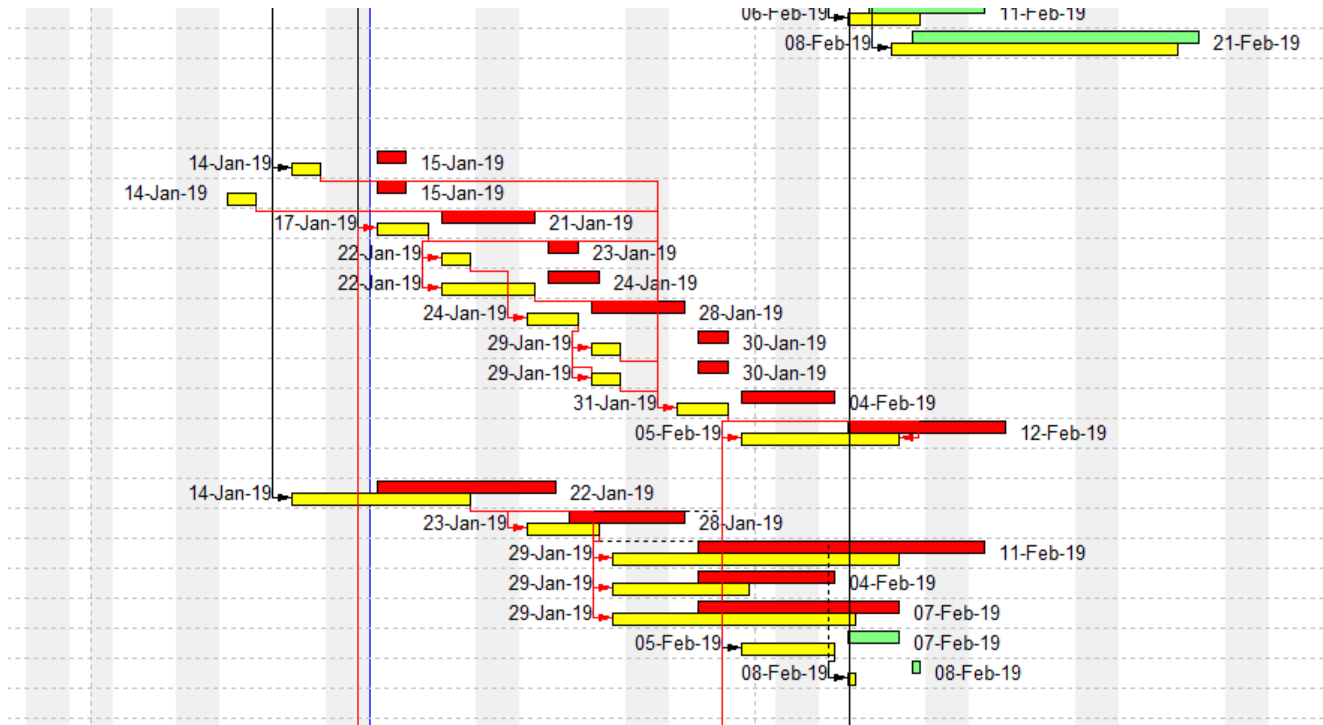


What's Wrong with P6 – A Contractors Perspective

- **Correct Earned Value Calculations**
 - On Federal Government projects in order to get a correct Earned Value calculation you have to set the “Project Baseline” to itself.
- **Inability to set different financial periods in the same data base.**
 - One project reports at the end of the month another report on the 15th of the month. You can only record an accurate stored period performance on one of the two if they exist in the same database
- **Conclusion**
 - P6 simply tries to serve to many masters and incorporate to many components which end up making to many things not work properly

What's Wrong with P6 – A Contractors Perspective

- How Logic & Labels Are Displayed With Target Bars
 - Logic Lines tie to the target bar not the current bar
 - Start date for current bar display back to start of target bar





What's Wrong with P6 – A Forensic Perspective

- ▶ Data import problems
 - Data integrity
 - Can be a problem with an import of the XER file
 - POBS problem – use Schedule Analyzer's POBS tool
 - Inter-project relationships, financial period information, risk data may not be exported
 - Other data problems
 - Might require Oracle utilities
 - Oracle data utility tools can require time to run separately
 - Schedules may not match pre-export schedules

- ▶ Forensic analysis requires a process for data integrity validation



What's Wrong with P6 – A Forensic Perspective

- ▶ What is a schedule file anyway?
 - Not all settings are exported with the file
 - Inter-project relationships, financial period information, risk data may not be exported
 - Necessity to import into a “sandbox” database

- ▶ In a discovery mode, the attorneys may need to subpoena the entire database



What's Wrong with P6 – A Forensic Perspective

- ▶ How to meet the Daubert threshold in litigation?
 - The previous Frye standard required expert opinion to be based on general acceptance in the industry
 - Rule 702 relaxed that requirement to limit exclusion of testimony
 - Daubert case changed the rules to reliability
 - requires an analysis to rise to the level of science
 - Based on sufficient facts
 - Analysis is result of reliable principles and methods
 - Analysis or testimony applied these methods to the facts of the case
 - One facet in meeting reliability under Daubert is that of another expert being able to replicate the expert analysis
 - With the variability of P6 in settings and calculations, there is a risk that the very use of P6 could fail Daubert