

Sanity Check Report

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Project Title	Scheduling and Information Services, Inc. Schedule Analysis
Project Name	C:\SIS\SIS_Demo

Sanity Report Summary

A breakdown of the problems encountered in the project.

Section	Number of Problems
Constraints	8
Open-ended Tasks (start and finish tasks)	80
Out of sequence updates (broken logic)	2
Links with lags longer than 0 units	142
Negative lags	56
Positive lags on Finish to Start links	13
Start To Finish links	No problems found.
Lags between tasks with different calendars	No problems found.
FF to a Milestone	No problems found.
SS from a Milestone	No problems found.
Start Milestones driving Summary completion date	No problems found.
Links To/From Summary Tasks	No problems found.

Constraints

Task	Constraint Type	Date
1177 - STRUCTURAL INFILL @ D/D - 20/21 L1	Imposed Start	30/Aug/2004
1260 - STRUCTURAL STEEL ERECTION L2	Imposed Start	5/Oct/2004
1680 - METAL STUD FRAMING L1-5E	Imposed Start	15/Nov/2004
2720 - FINAL COMPLETION	Imposed Start	1/Dec/2005

Open-ended Tasks (start and finish tasks)

Task	Detail
2781 - COMPLETE BEAM @ B - 18/19	No successors
1250 - PLACE / FINISH CONCRETE ON METAL DECK PL	No successors
1280 - EDGE METAL / STUDS / EMBEDS L2	No successors
1390 - INSTALL EDGE METAL / STUDS / EMBEDS L3	No successors
1430 - STRUCTURAL STEEL ERECTION L4	Finish has no successors
1680 - METAL STUD FRAMING L1-5E	No predecessors
2330 - DEMO EXISTING CONCRETE PAVING NP	No predecessors
2325 - FINAL INSPECTIONS / CERT. OF OCCU.	No successors
2325 - FINAL INSPECTIONS / CERT. OF OCCU.	Start has no predecessors
6124 - INSTALL OVERHEAD DATA ROUGH-IN L5	Finish has no successors

Out of sequence updates (broken logic)

From	To	Link	Details
1090 - DEMO RAMP DECK @ D/D	2881 - INSTALL 6" SANITARY SEWER / WEST SM	FS	Task 2881 has already started
1150 - DEMO SILO/ DECK OPENINGS / CLEAN-UP	2881 - INSTALL 6" SANITARY SEWER / WEST SM	FS	Task 2881 has already started

Links with lags longer than 0 units

Option selected: Display lags greater than 0 Sub Units.

From	To	Link
1260 - STRUCTURAL STEEL ERECTION L2	1270 - METAL DECKING L2	SS[48]
1370 - STRUCTURAL STEEL ERECTION L3	1380 - INSTALL METAL DECKING L3	SS[48]
1430 - STRUCTURAL STEEL ERECTION L4	1440 - INSTALL METAL DECKING L4	SS[48]
1440 - INSTALL METAL DECKING L4	1460 - INSTALL BLOCKOUTS L4	FS[24]
1490 - STRUCTURAL STEEL ERECTION L5	1500 - INSTALL METAL DECKING L5	SS[48]

Negative lags

From	To	Link
1270 - METAL DECKING L2	1280 - EDGE METAL / STUDS / EMBEDS L2	FS[-8]
1370 - STRUCTURAL STEEL ERECTION L3	1430 - STRUCTURAL STEEL ERECTION L4	FS[-16]
1380 - INSTALL METAL DECKING L3	1390 - INSTALL EDGE METAL / STUDS / EMBEDS L3	FS[-8]
1710 - INSTALL FLASHING L1-5E	1720 - BRICK VENEER ANCHORS L1-5E	FS[-16]
2160 - INSTALL DOOR / RELITE FRAME INSTALL L1	2220 - INSTALL DOORS / HARDWARE / OP. PARTITIONS L1	FS[-32]
6180 - INSTALL TAPE / WALL FINISHES L5	6270 - INSTALL HVAC CONTROLS / CONNECTIONS L5	FS[-48]
6180 - INSTALL TAPE / WALL FINISHES L5	6280 - INSTALL ELEV. LOBBIES METAL PANELS / FINISHES	FS[-48]
6160 - INSTALL DOOR / RELITE FRAME INSTALL L5	6220 - INSTALL DOORS / HARDWARE / OP. PARTITIONS L5	FS[-32]

Positive lags on Finish to Start links

From	To	Link
1440 - INSTALL METAL DECKING L4	1460 - INSTALL BLOCKOUTS L4	FS[24]
1500 - INSTALL METAL DECKING L5	1520 - INSTALL BLOCKOUTS L5	FS[24]
1910 - INSTALL FLASHING L1-5S	1920 - BRICK VENEER L1-5S	FS[24]
2180 - INSTALL TAPE / WALL FINISHES L1	2290 - INSTALL ATRIUM - GALLERY FINISHES / FIXTURES L2	FS[40]
2180 - INSTALL TAPE / WALL FINISHES L1	2310 - INSTALL CARPETING / FLOOR COVERINGS /FINISHES L1	FS[8]
2570 - INSTALLATION VERIFICATION HVAC	2650 - SYSTEMS STARTUP	FS[40]
1166 - PERIMETER CMU PHASE 1 PL	1167 - PERIMETER CMU PHASE 2 / INFILL PL	FS[208]

Start To Finish links

“Start to Finish” links are generally not recommended in deterministic planning or schedule risk analysis.

No problems found.

Lags between tasks with different calendars

Identifies lags between tasks with different calendars. For “Start to Start” and “Finish to Finish” links the calendar used by the lag is marked with a “*”. For “Finish to Start” links the calendar used is dependent on option selected in *Tools | Plan Options*.
 Options selected: Include FS, SS, FF links.

No problems found.

FF to a Milestone

A “Finish to Finish” link to a milestone implies that the milestone can start before it finishes. As milestones have zero duration it is recommended that this type of link be replaced with a “Finish to Start” link.

No problems found.

SS from a Milestone

A “Start to Start” link from a milestone implies that the successor can start after the milestone has started but not finished. As milestones have zero duration it is recommended that this type of link be replaced with a “Finish to Start” link.

No problems found.

Start Milestone driving Summary completion date

A start milestone that drives the summary completion date across a non-working period can cause the summary to report an additional day. The critical path can also be lost. Listed below are “start” milestones that are indented under a summary task but have no immediate successor in the summary task.

No problems found.

Links To/From Summary Tasks

Summary tasks are marked with “*”.

No problems found.