Earned Value Management

	EVM Item	EVM Description and Formula	EVM Data & Calculation Output
BAC	Budget Plan	Budget At Close	$103,026
	Schedule	Labor hours to complete	1782
	Budget spend (Actual Cost)	How much has been spent to date	$105,430.00
	Time spent (Actual Labor Hours)	How many hours or days have elapsed	1810
	Planned % work completed	How many hours or days were planned to have elapsed	97.7200%
	Actual % work completed	How much work has really been done	0.37%
PV	Planned Value	Percent Complete (Planned) X Task Budget (BAC)	$100,677
EV	Earned Value	Percent Complete (Actual) X Task Budget (BAC)	$381
AC	Actual Cost	Actual Cost of the Task	$105,430
SV	Schedule Variance	EV - PV If SV is negative, the task is behind Schedule If SV is zero, the task is on schedule If SV is positive, the task is ahead of schedule	-$100,296
SPI	Schedule Performance Index	EV / PV If SPI is less than (<) 1, the task is behind schedule If SPI is equal (=) 1, the task is on schedule If SPI is greater than (>) 1, the task is ahead of schedule	0.00
CV	Cost Variance	EV - AC If CV is negaitve, the task is over budget If CV is zero, the project is on budget If CV is positive, the project is under budget	-$105,049
CPI	Cost Performance Index	EV/AC if CPI < 1, the task is over budget if CPI = 1, the task is on budget if CPI > 1, the task is under budget	0.36%
EAC	Estimate at Completion	BAC/CPI The reason the variance is likely to continue	$28,494,594.59
		AC + (BAC - EV) The reason the variance is likely not to continue	$208,075
		AC + ((BAC-EV)/(SPIxCPI)) Projects future cost is likely to be impacted by past schedule	$7,497,913,981.85
		AC + ETC You need to change the estimate because initial assumptions were wrong	$28,494,594.59

ETC	Estimate to Complete	EAC -AC project is expected to continue with the same performance	$28,389,164.59
VAC	Variance at Completion	BAC - EAC If VAC is negative, you need that much more money to complete the project If VAC is positive, you will finish with that much surplus	-$28,391,568.59

	Analyze the results of your EVM calculations:	
	1) Is the project over budget, on budget, or under budget?	over budget
	2) Is the project on schedule, ahead of schedule, or behind schedule?	behind schedule
	3) Depending on your answer to #1, how much will the project sponsor have to come up with OR how much surplus will remain at project completion?	The project sponsor will need to come up with $28,389,164.59 to complete the project.