AT Benefit Cost Model Cheat sheet

Step #	Name of Tab	Address of cells	Action	Remarks
Step1	ProjectDefn		Go to ProjectDefn tab	
Step2	ProjectDefn	D7	Click to select either Texas or California (default) method	If any of the alternatives have different horizontal or vertical alignments, use Texas method, otherwise use Californi method.
Step3	ProjectDefn	D10	Enter project name	
Step4	ProjectDefn	H31:J37, I45:L51	Determine vehicle occupancy, unit cost, and operating cost.	Normally AT default values should be used and no action is required from the user. User can override AT default values by inputting project specific values. However, justificaiton should be provided to AT project administrator. Users can modify vehicle types in Parameters Tab.
Step5	Alt1		Go to Alt1 tab	
Step6	Alt1	D9	Select project type by clicking on the cell	Each project type has a default running speed and project life associated with it (see Parameters Tab). Users can modify this informaiton or add new project type in Parameters Tab. The project life can provide reference to users regarding when the alternative will need rehabilitaiton or rebuilt. The default running speed associated with the project tye is for reference purpose only and will not be considered in the model calculation. The average running speed enterred in step 14 will be used in the calculation.
Step7	Alt1	E9	Select project location	
Step8	Alt1	D14	Enter a name for Alternative 1	
Step9	Alt1	E19 & F19	Enter construction start and end year. The start year should normally be the current year.	Normally road user cost will not be calculated during construciton periods. If analysis of road user costs during construction is required, this can be entered as rehabilitaiton cost (see step 18). The construction start year should usually be the current year for all alternatives.
Step10	Alt1	D24	Enter original project cost. This is for information only and will not be considered in the calculaiton. If you do not know, leave it blank.	This value makes no difference to the results of the analysis.
Step11	Alt1	G30:J30	Enter construction cost.	
Step12	Alt1	G45:H45	Enter specified Operating & Maintenance costs.	User only need to enter first year cost. The model will use the traffic growth rate to project the O & M costs for future years. If user wants to use AT default O & M cost, do not enter anything in this step
Step13	Alt1	I50:L55, I60:L65	Enter collision informaiton	User can use AT default values if project specific values are not available.
Step14	Alt1	D77:R96	Enter project segment information	If that segment is not needed, the user should leave the dropdown box and only delete segment name (column D) and Length (column E). Superelevation should be enterred as a decimal, i.e. 0.04.

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Step #	Name of Tab	Address of cells	Action	Remarks
Step15	Alt1	E110:K129	Define traffic mix	AT default value can be used if project specific values are not available.
Step16	Alt1	E134:K134	Define trip purpose	AT default value can be used if project specific values are not available.
Step17	ProjCostAlt1		Go to ProjCostAlt1 tab	
Step18	ProjCostAlt1	N12:N92	Enter rehabilitation cost	If road user cost during construciton periods are significant and should be considered, the construciton cost can be entered as the rehabilitaiton cost and same year construction schedule should be used.
Repeat steps 1-18 for Alt2 and Alt3				If no Alt3, delete the start and end year for Alt3
Step19	Summary	G7	Enter analysis period	Analysis period is the design life of the alternative
Step 20	Print the summary sheet and the analysis is done.			

Note: User input is only required at the orange background cell with black text.