

Freeway Balancing Tool v3.9.1 (10/10/2019)

New Features

- Balancing Worksheet columns re-organized to emphasize user inputs.
- Balancing Worksheet consolidated to have a single “FINAL Balanced Volumes” column. All automatic and manual adjustments should be entered into this column. Users only need to enter cumulative volume formulas into this column. Initial guess values are now entered directly into the FINAL volumes column before the automatic balancing is run. The separate “initial guess” and “solver” columns from the previous balancing tool version have been removed.
- Balancing Worksheet “reset volumes” button prompts user to reset back to one of three states:
 - **Raw/initial** volumes used as inputs to the very first run of the automatic balancing
 - **Previous Solver Inputs** used in the previous run of the automatic balancing
 - **Previous Solver Solution** from the previous run of the automatic balancing. If the volumes have not been manually modified between runs; the previous inputs and outputs will be the same.
- The Diagnostics worksheet now contains columns showing previous Solver inputs and outputs.
- The Comments column on the Diagnostics worksheet now is a lookup to the comments column on the Balancing worksheet.
- Added a message box to prevent “resetting volumes to initial guess” before the automatic balancing has been run.
- “Secondary” volume locations on the Balancing worksheet are highlighted in grey to alert the user that this volume affects more than one balancing corridor.
- User weight adjustment cells with values other than 1.0 are now automatically highlighted.
- Created a new “Example 1” file showing a simple freeway balancing corridor.

Bug Fixes

- Blank cell warning dialog box now refreshes list without crashing
- Cells should no longer show “#NAME?” after enabling macros

Intersection Balancing Tool v5.8.1 (10/10/2019)

New Features

- Added a message box to alert user when the “Initialize Network” macro is complete.

Bug Fixes

- Fixed schematic templates file for diamond and parclo interchange types so that ramps do not show an imbalance if an upstream freeway volume cell is blank.
- Fixed parclo interchange templates that would not initialize correctly after copying into the volume balancing workbook.

Intersection Balancing Tool v5.8.2 (5/1/2023)

Bug Fixes

- Fixed intersection schematic templates file for the Diamond E-W paperclip interchange configuration. Imbalance cells in the NW and SE quadrants were not calculated correctly.
- Fixed the intersection volume balancing tool “Generate Volume List” to work correctly when only one intersection exists in the network.