Volume Check

Volume checks should be used to identify volume differences throughout the corridor during QA/QC and is not part of volume balancing. Acceptable tolerances are usually 10% or lower, however, small volumes may be higher, such as a growth of 46% where vehicle counts increase from 5 to 8. Below is a screenshot of a sample Vistro file using the Unbalanced Flow selection to identify discrepancies in volumes.

Intersection:	2 New Intersection											
Volumes												
Number				2								
Intersection				**New Intersection**								
Control Type				Signalized								
Analysis Method				HCM 2010								
Name												
Show Name	☐			☐			☐			☐		
Approach	*Northbound*			*Southbound*			*Eastbound*			*Westbound*		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	200	200	200	200	200	200	200	200	200	200	200	200
Total Analysis Volume [veh/h]	400	400	400	400	400	400	220	220	220	220	220	220
Base Volume Input [veh/h]	200	200	200	200	200	200	200	200	200	200	200	200
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Base Volume [veh/h]	200	200	200	200	200	200	200	200	200	200	200	200
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	2.00	2.00	2.00	2.00	2.00	2.00	1.10	1.10	1.10	1.10	1.10	1.10
▽ **TIA Demand**												
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Future Background Volume [veh/h]	400	400	400	400	400	400	220	220	220	220	220	220
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Net new site trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Future Total Volume [veh/h]	400	400	400	400	400	400	220	220	220	220	220	220
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	400	400	400	400	400	400	220	220	220	220	220	220
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Total 15-Minute Volume [veh/h]	100	100	100	100	100	100	55	55	55	55	55	55
Total Analysis Volume [veh/h]	400	400	400	400	400	400	220	220	220	220	220	220
Presence of On-Street Parking	☐		☐	☐		☐	☐		☐	☐		☐
On-Street Parking Maneuver Rate [/h]	0		0	0		0	0		0	0		0
Local Bus Stopping Rate [/h]	0		0	0		0	0		0	0		0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

1:4551	-10111087.6459	3533662.7252