PTV Vistro

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PTV Vistro

Traffic engineering tools

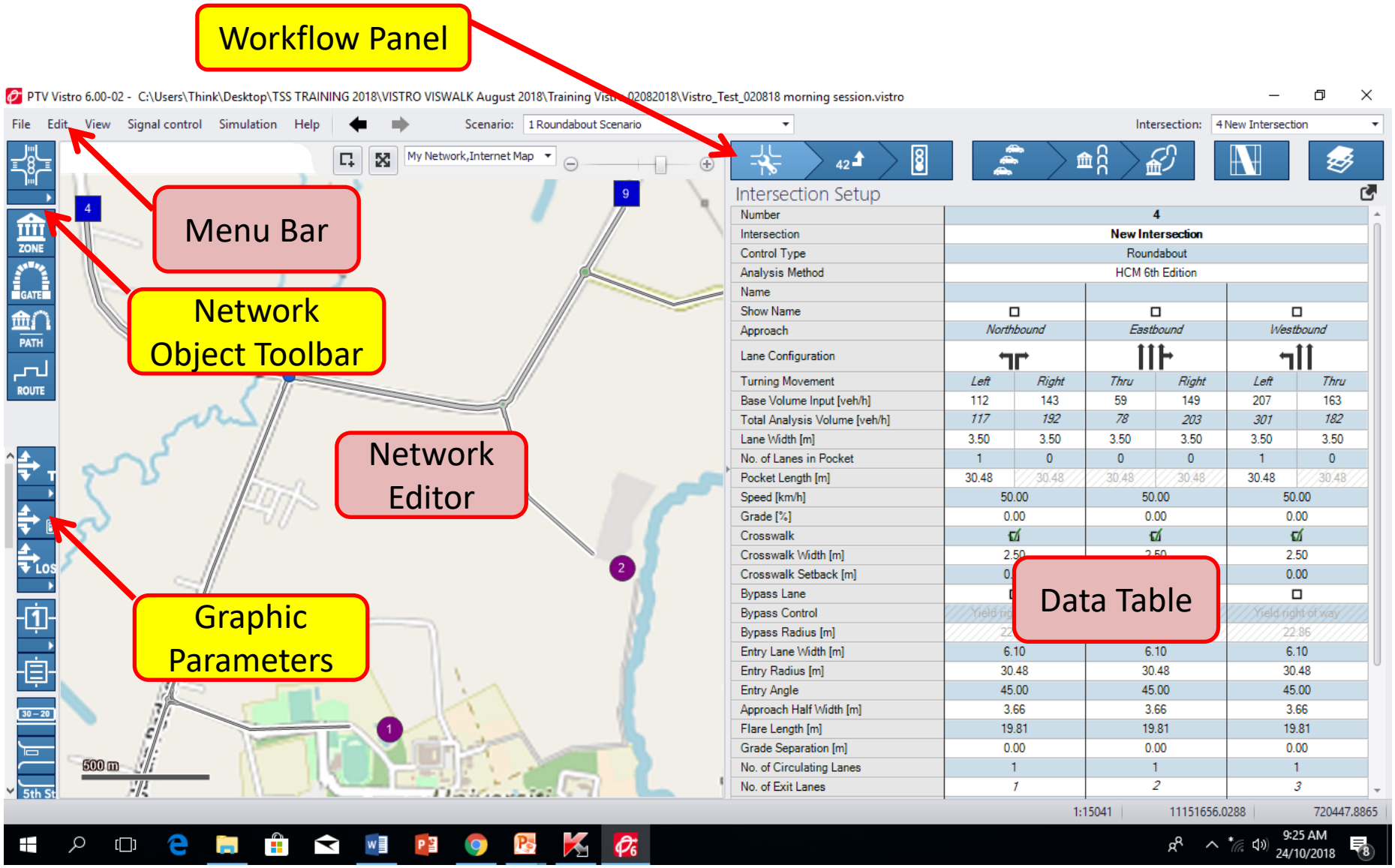
- Small and medium sized network
- Intersection Level of Service
- TIA Functionality
- Signal Optimization
- Automatic Reporting
- Export for further Analysis or Simulation

PTV Vistro

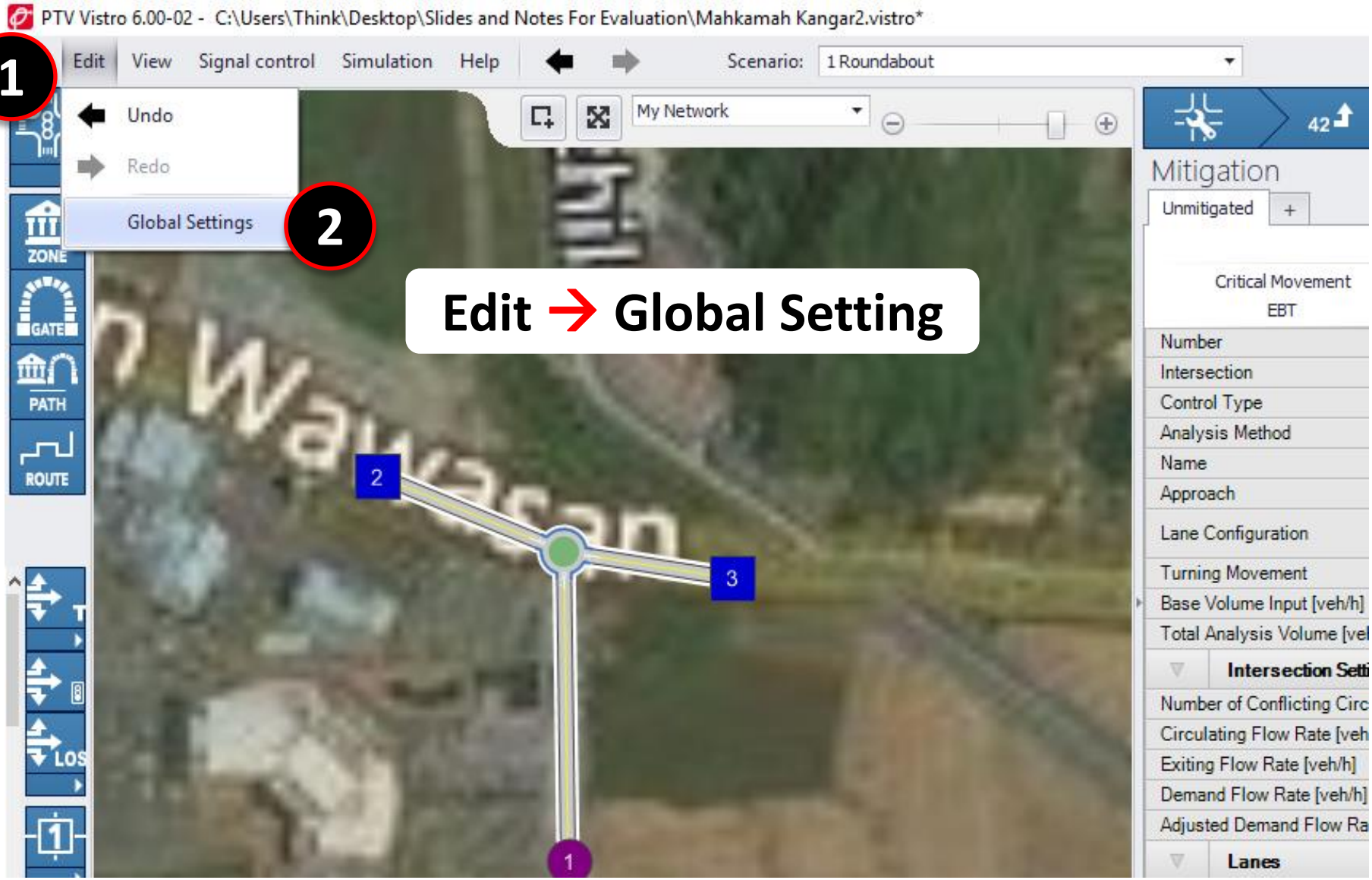
In solving traffic engineering problems, PTV Vistro helps traffic engineers and transport planners:

- Evaluate the impacts of new developments
- Identify solutions to ensure smooth traffic flow for the road network

PTV Vistro GUI



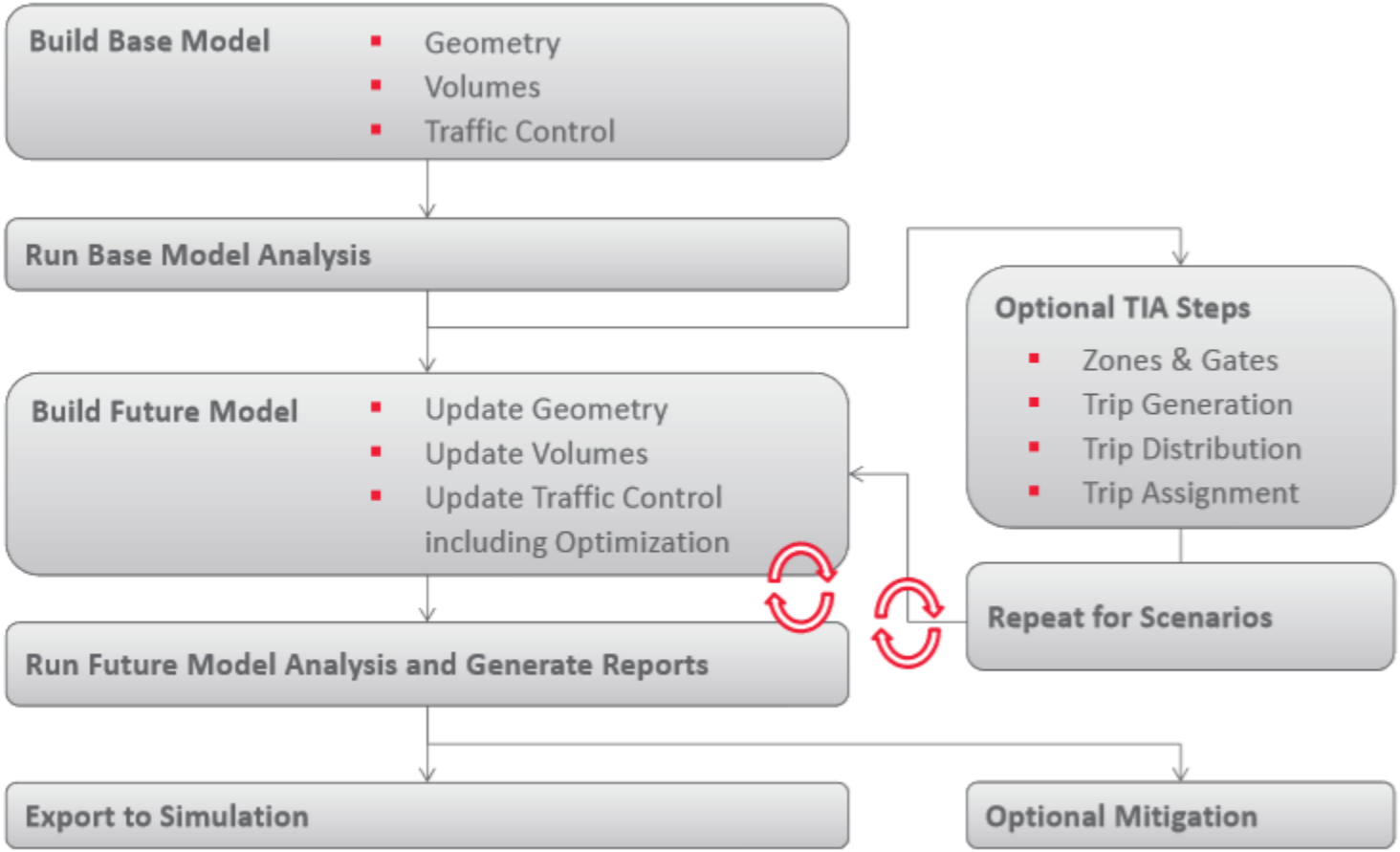
First Step: Change Settings



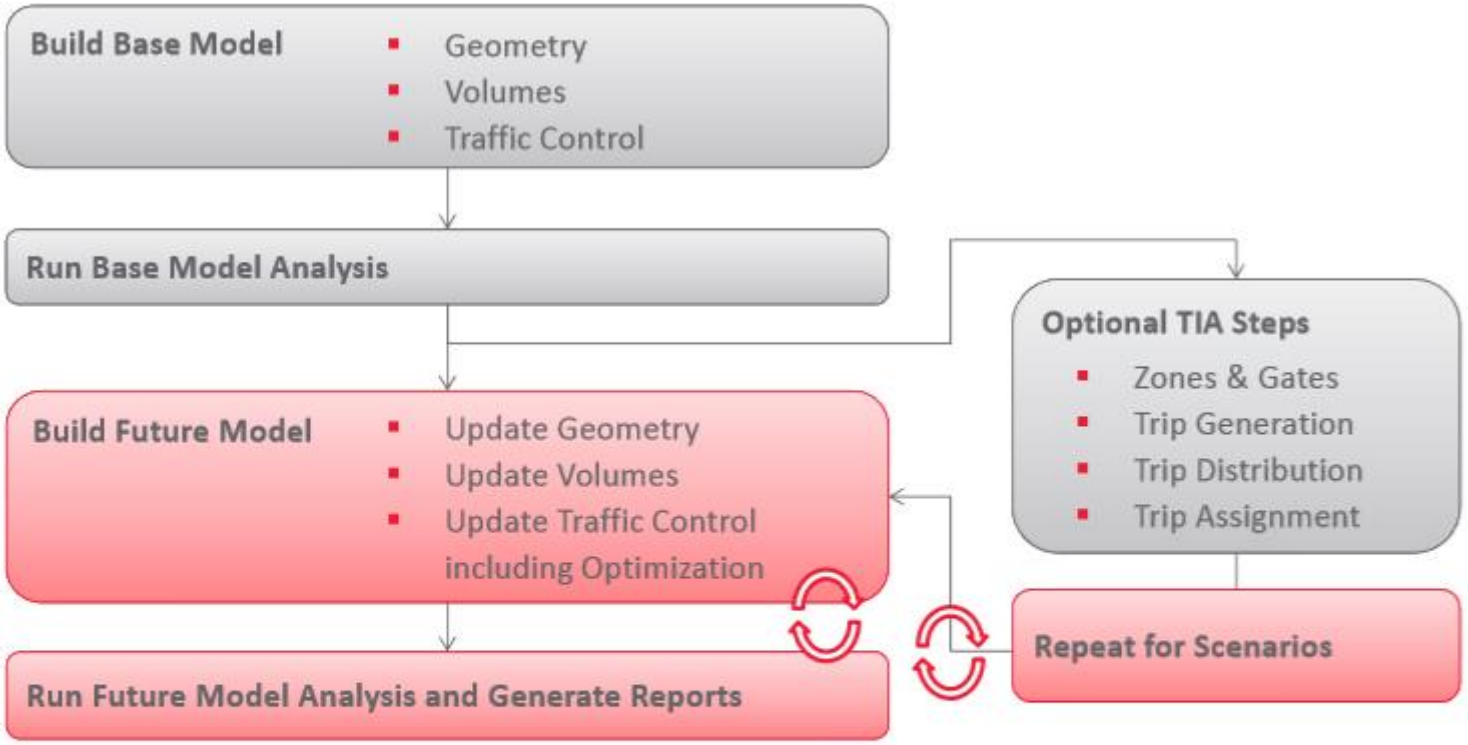
First Step: Change Settings

Language	English
Direction Of Traffic	Left-hand traffic
Unit	Metric
Analysis Method for Signalized Intersections	HCM 6th Edition
Analysis Method for Un-Signalized Intersections	HCM 6th Edition
Analysis Method for Roundabouts	HCM 6th Edition
Default Lane Width [m]	3.5
Speed [km/h]	50.00
Pedestrian Crosswalk Width [m]	2.50
Right Turn on Red	☑
Splitter Island Length [m]	3.00
Splitter Island Width [m]	6.00
Heavy Vehicle Percentage [%]	2.00
Growth Rate	1.00
Default Ideal Saturation Flow Rate, HCM [veh/h]	1900
Default Ideal Saturation Flow Rate, ICU 1 [veh/h]	1600
Default Ideal Saturation Flow Rate, ICU 2 [veh/h]	1600
Default Ideal Saturation Flow Rate, CCG [PCU/h]	1850
Default PHF	1.00
Located in CBD	☑
Major Flow Direction	North-South
Northbound Signal Group	2
Northwestbound Signal Group	2
Lead/Lag Setting	Lead
Cycle Length [s]	90

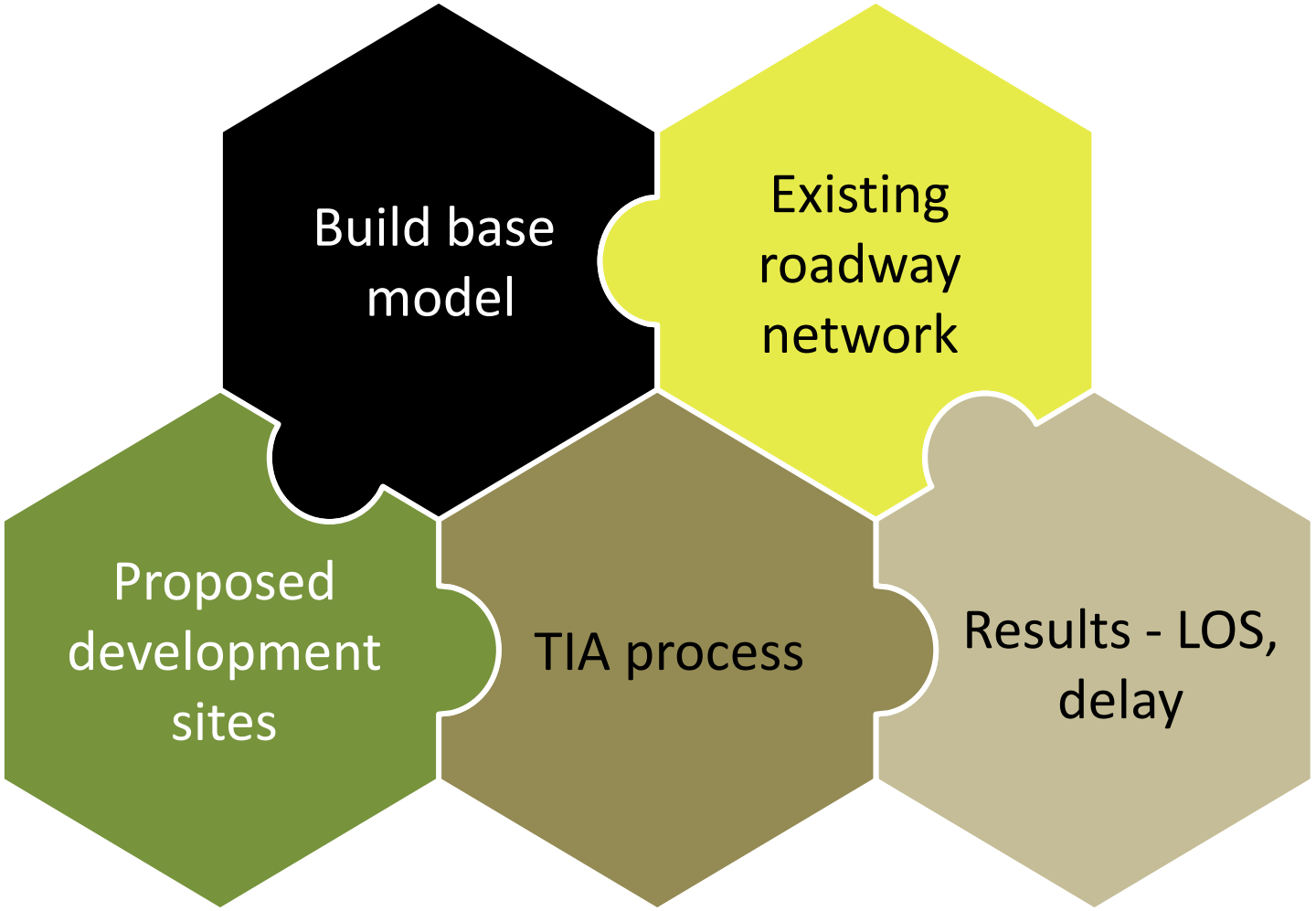
TIA Process Using PTV Vistro



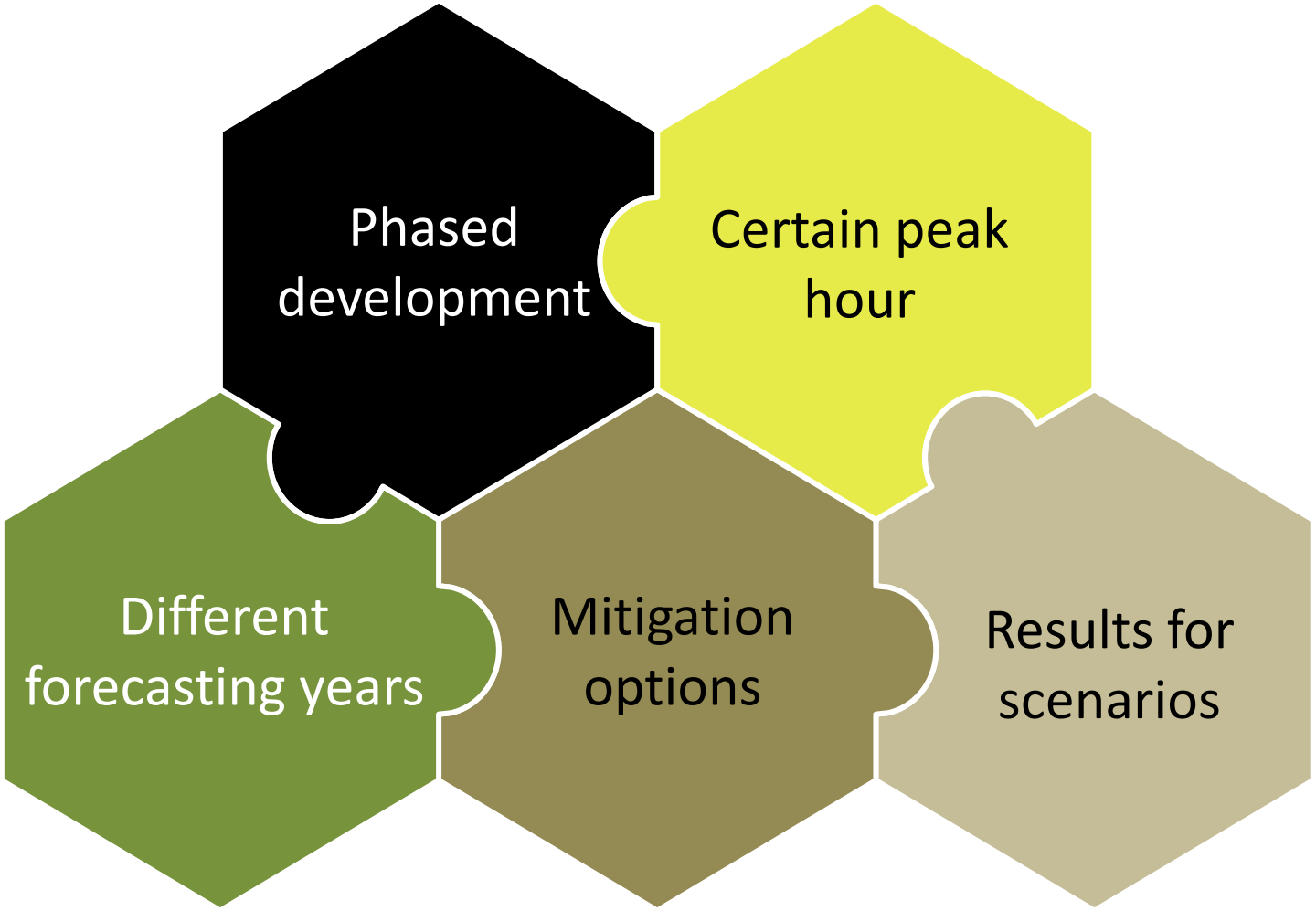
Scenario Management



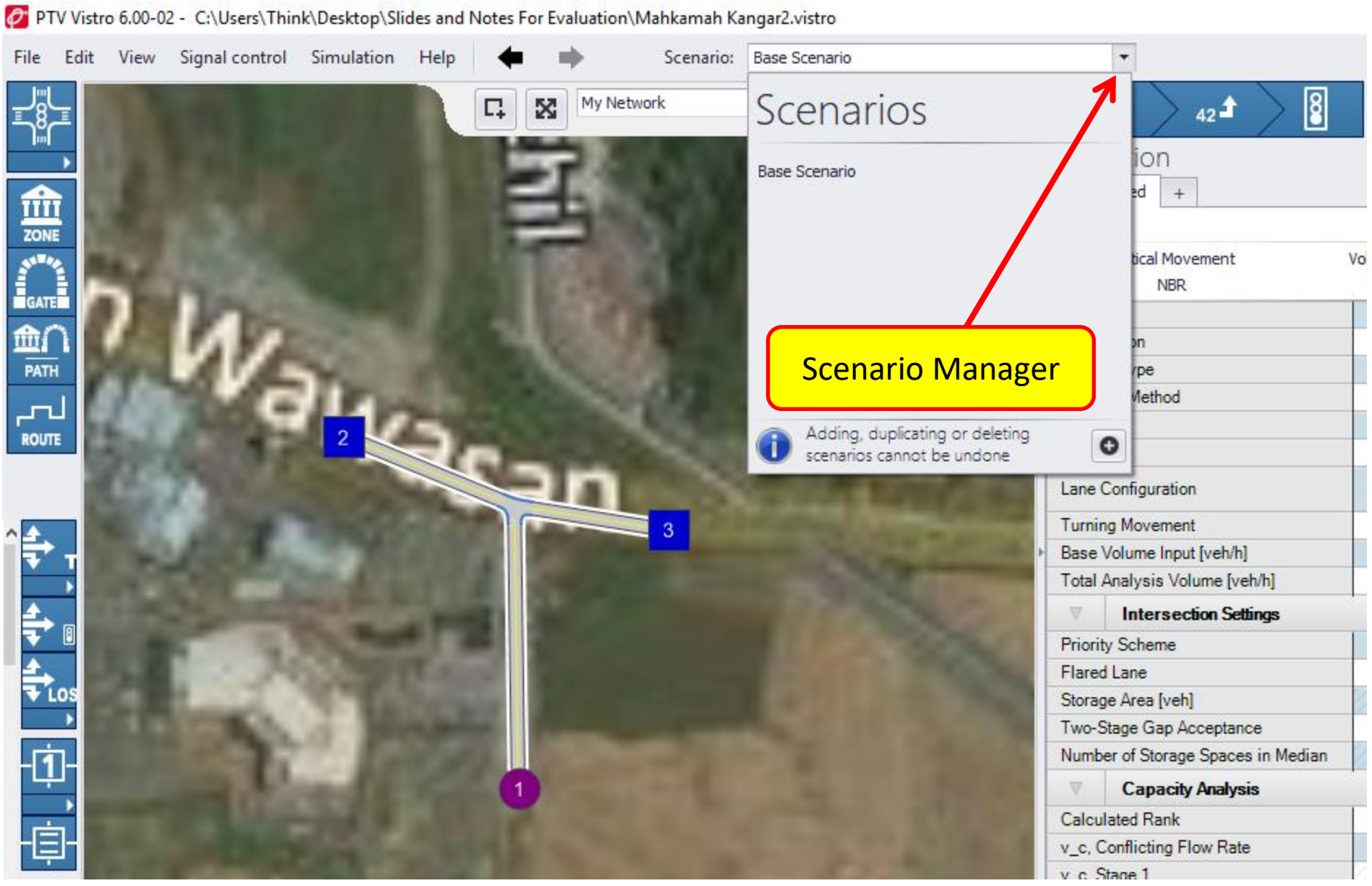
Base Scenario



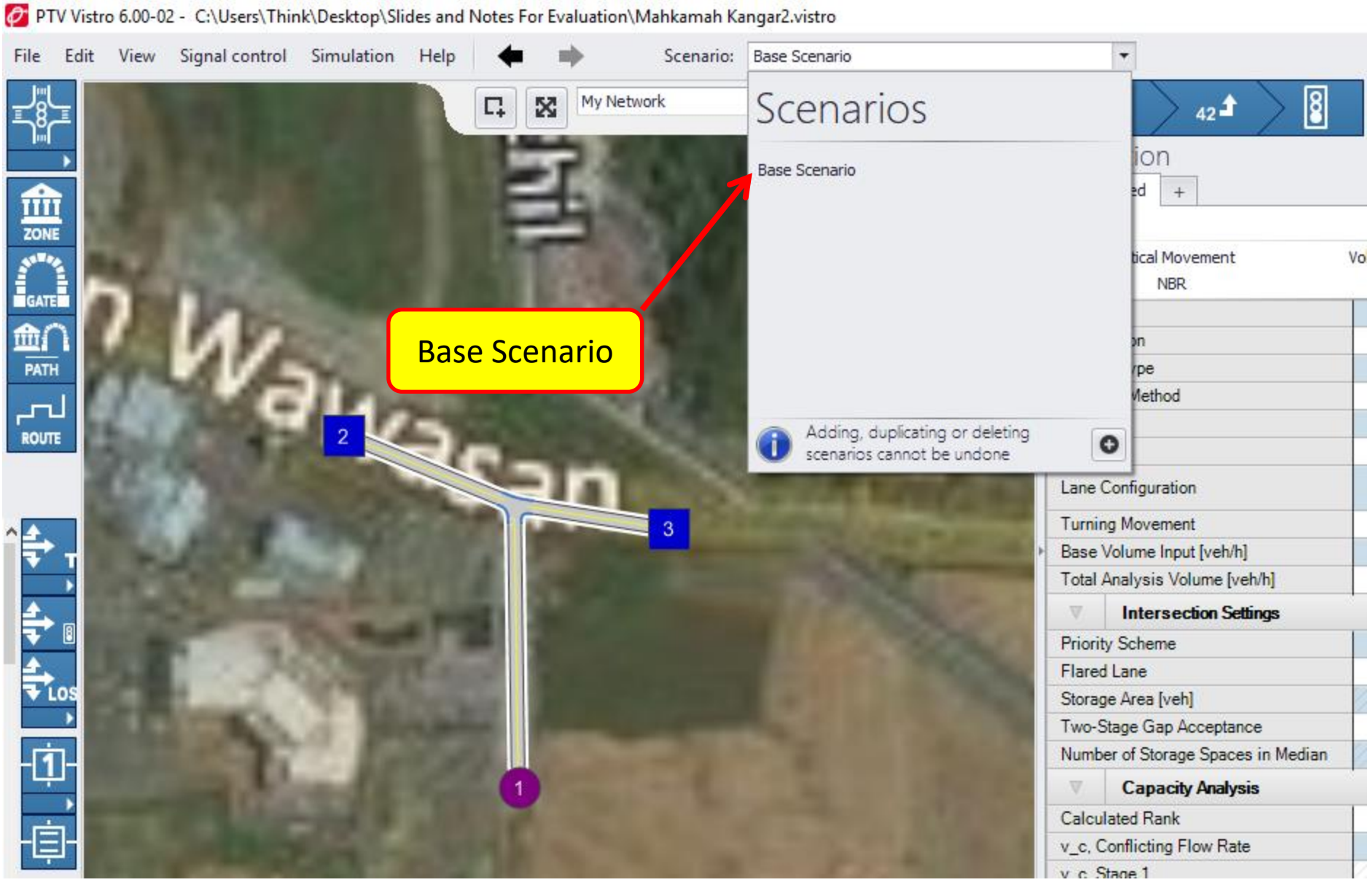
New Scenario(s)



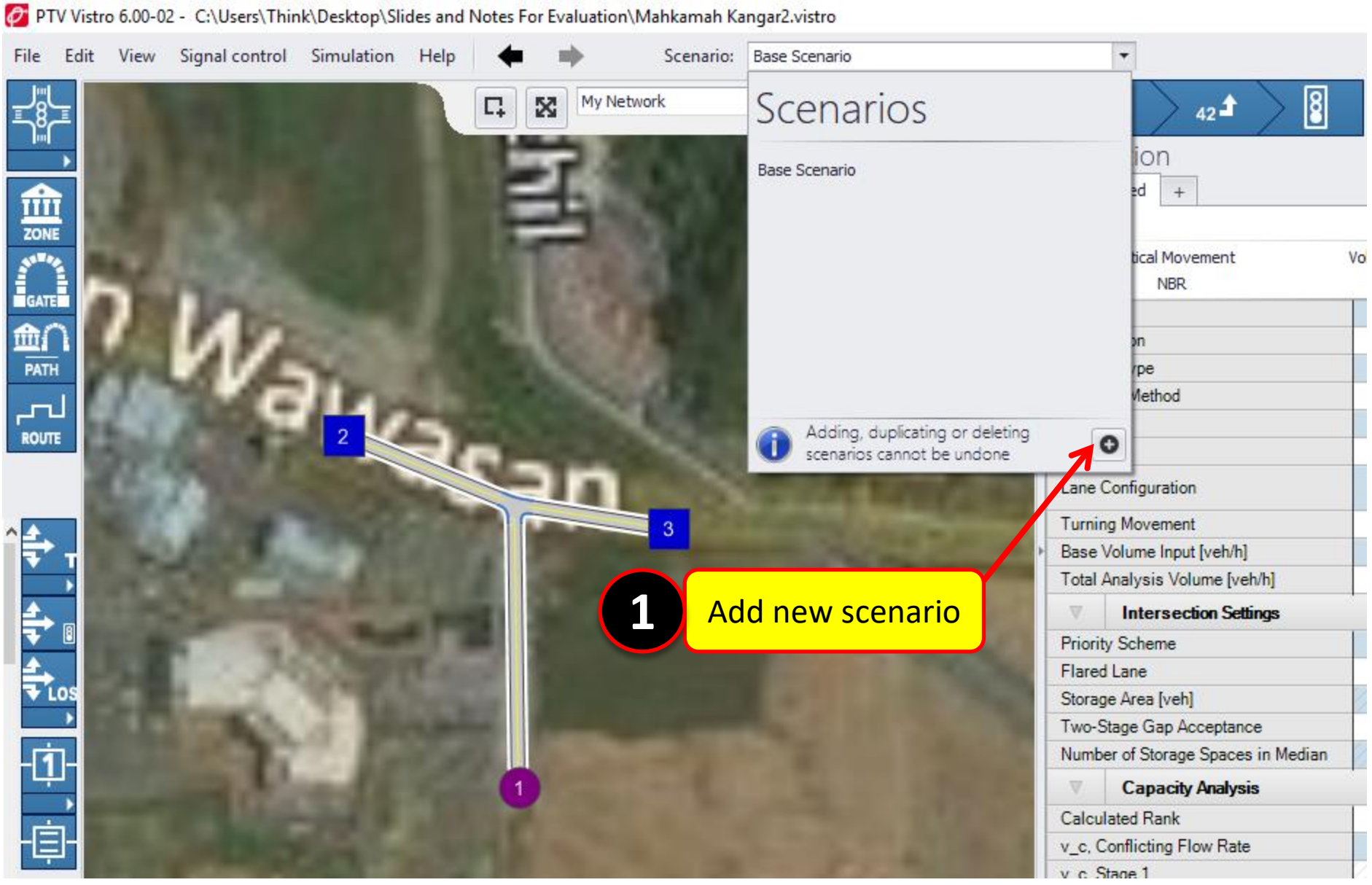
Scenario Management



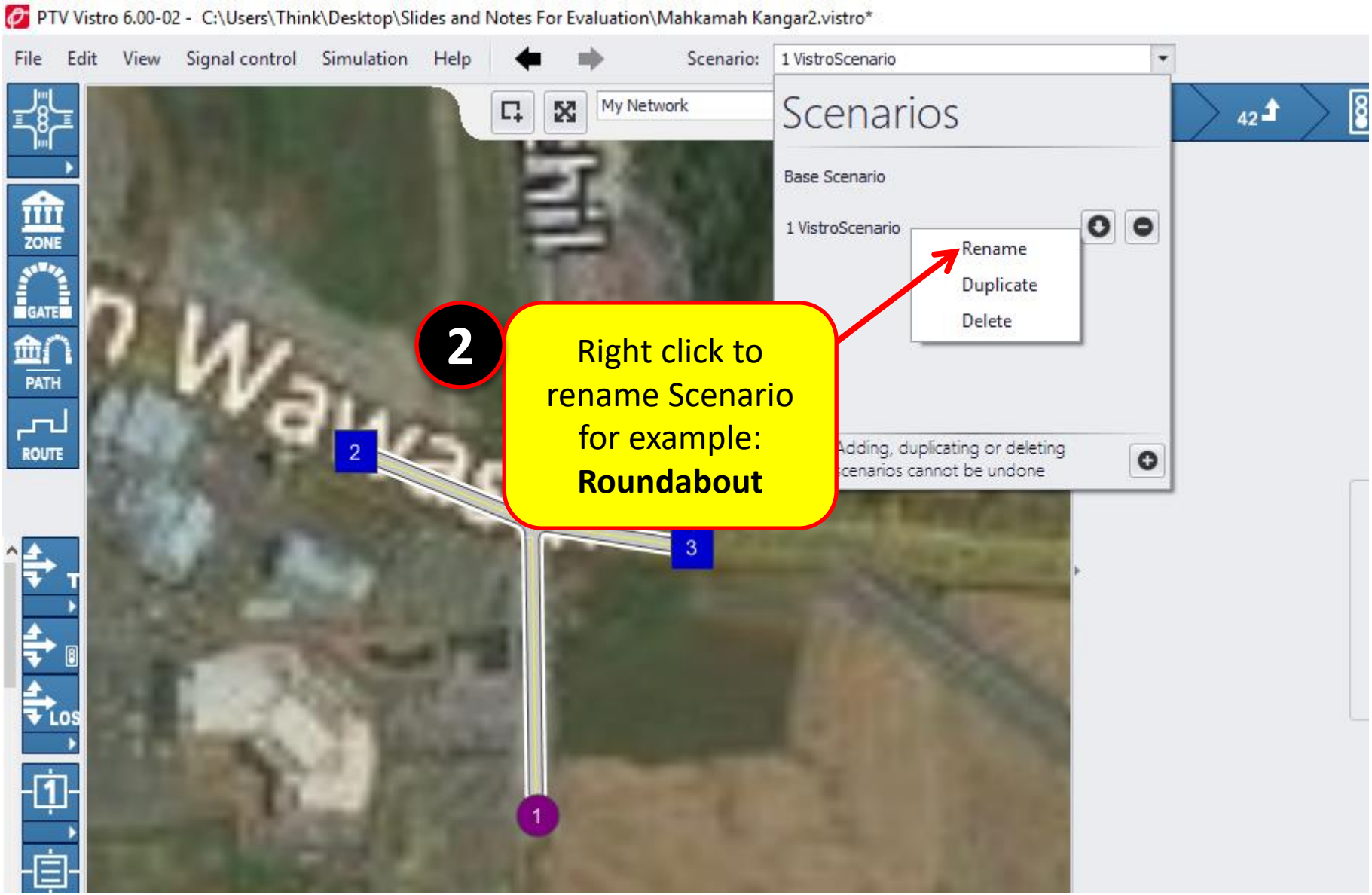
Scenario Management



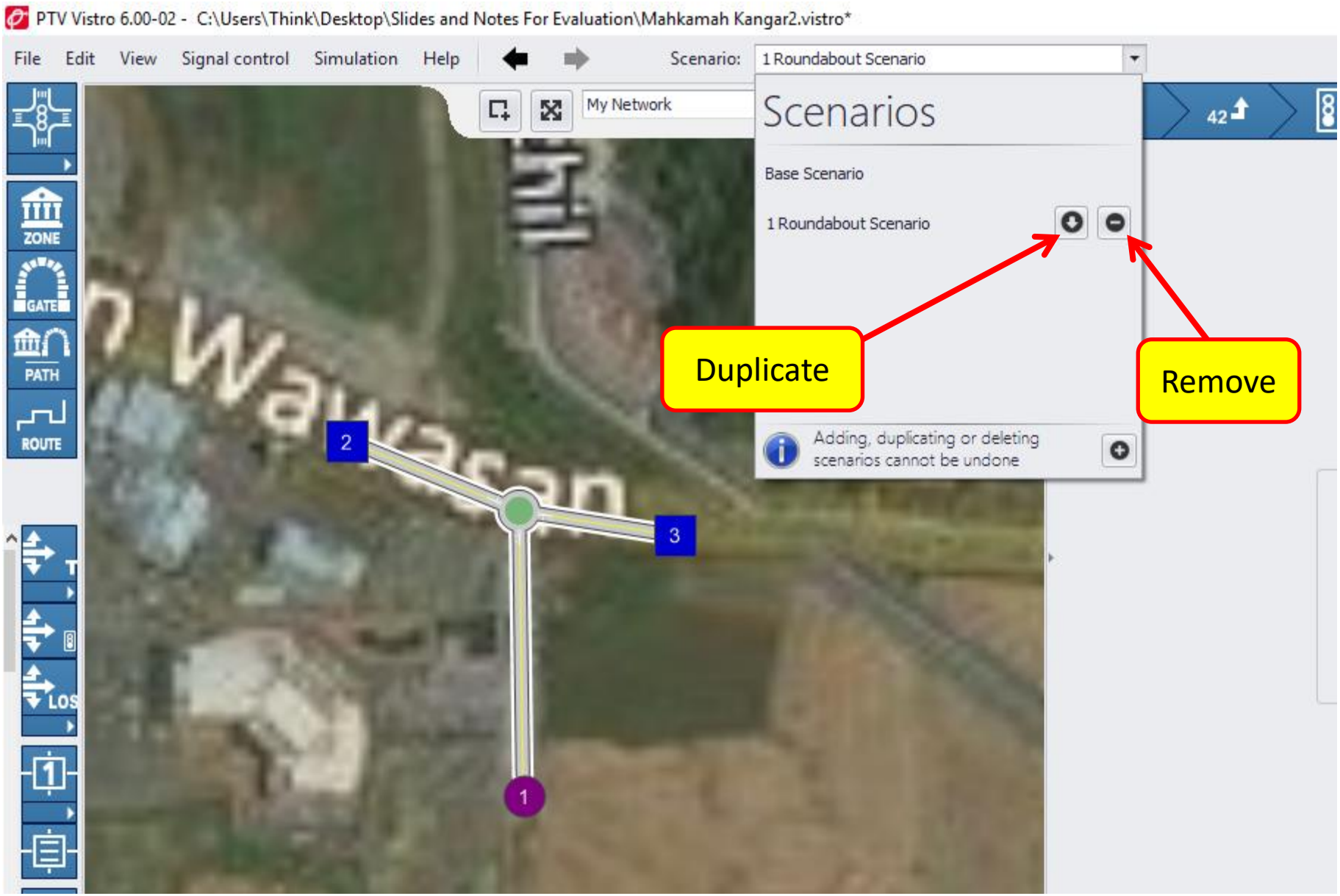
How To Add New Scenario



Rename Scenario

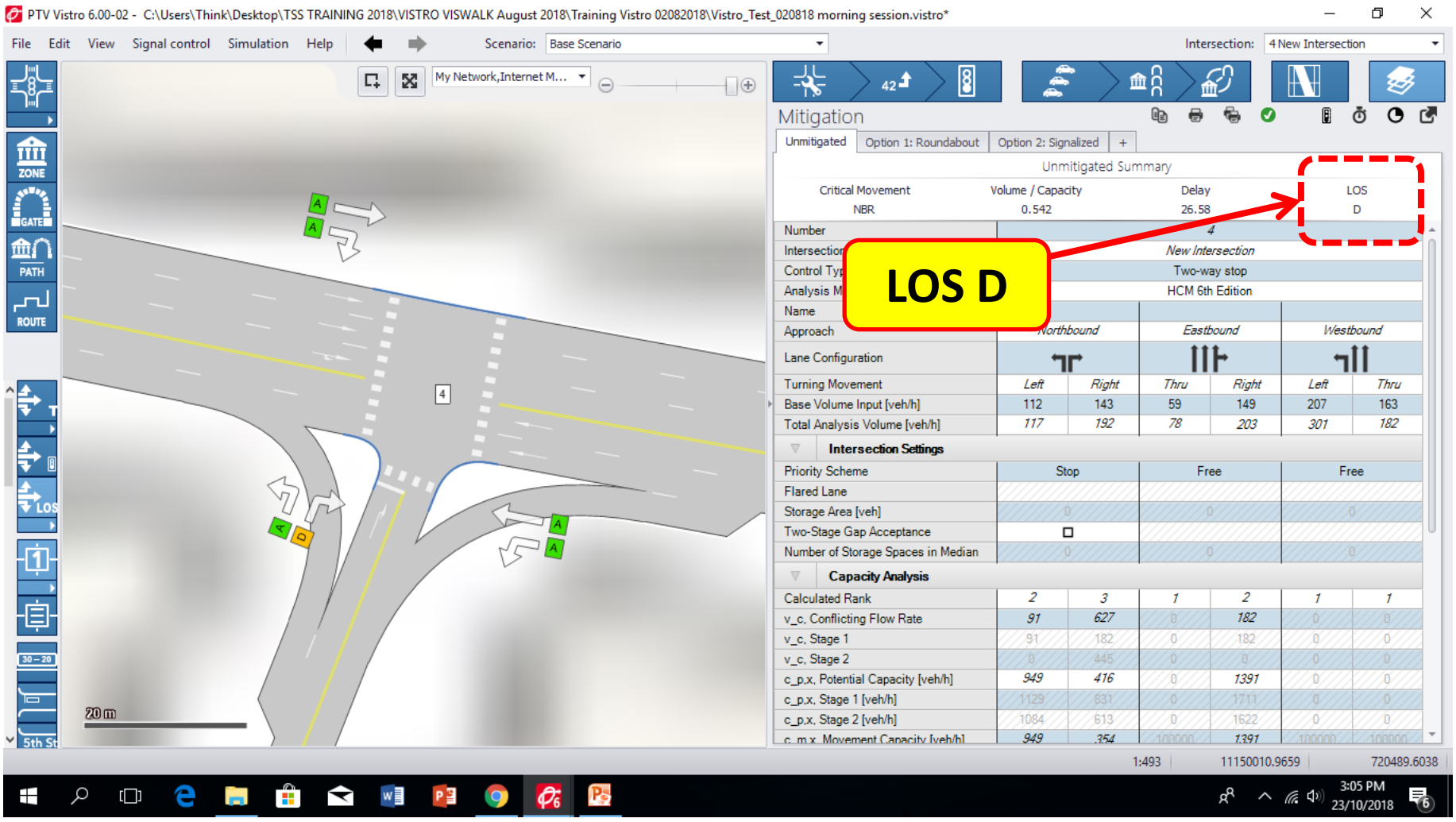


Duplicate And Remove Scenario

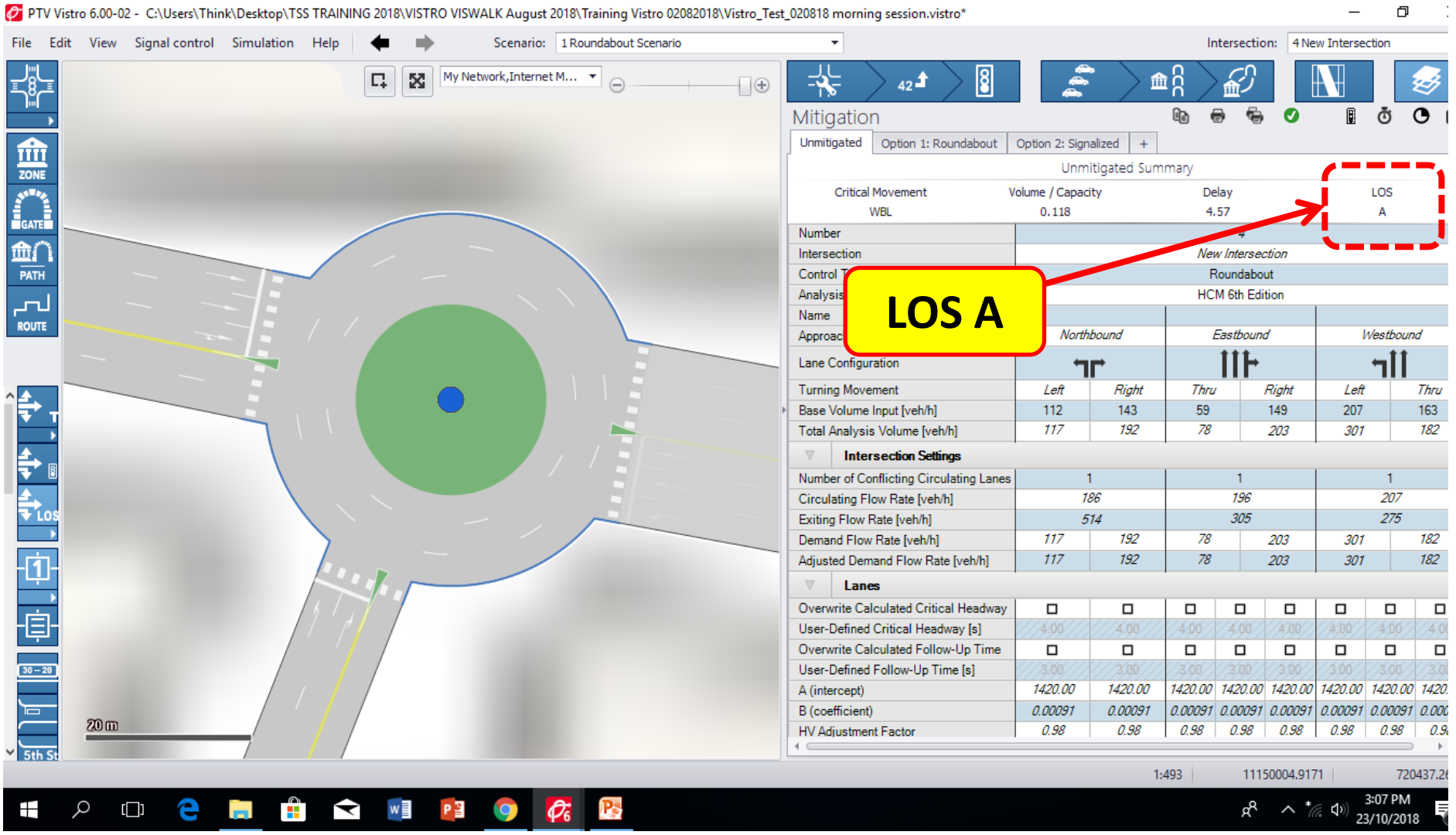


Example of Scenario Management based on Mitigation Measures

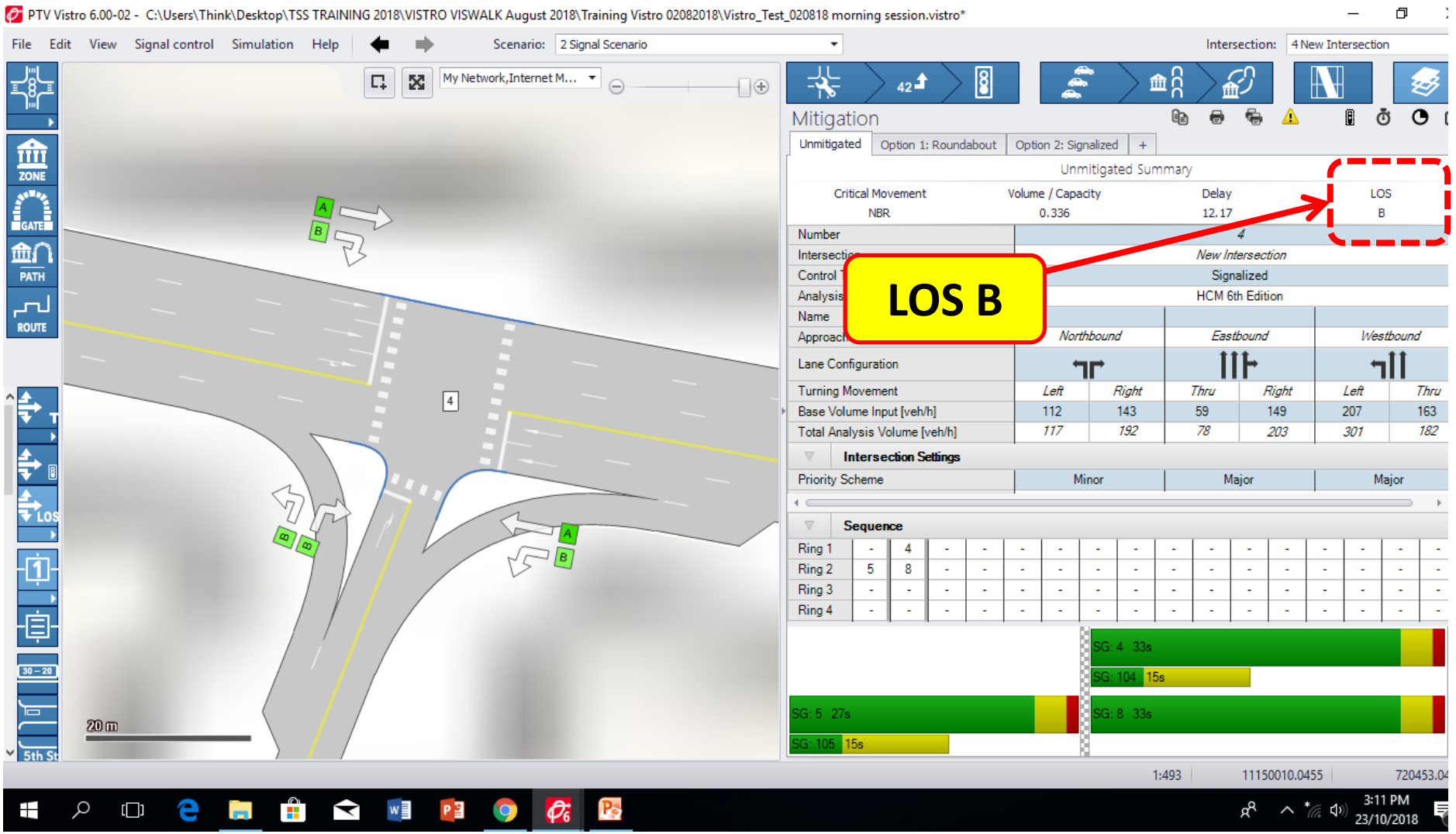
Baseline Scenario



Scenario 1 (Roundabout)



Scenario 2 (Signalized)



Changes in Scenario(s)

The Base Scenario (BS) is the foundation for all other Scenarios

If we make changes in BS, it will change in all scenarios

If we make changes in a scenario, it will only change in that specific scenario

Basic User Interface & Scenario Management in PTV Vistro

THANK YOU

Any question?