PTV GROUP

the mind of movement

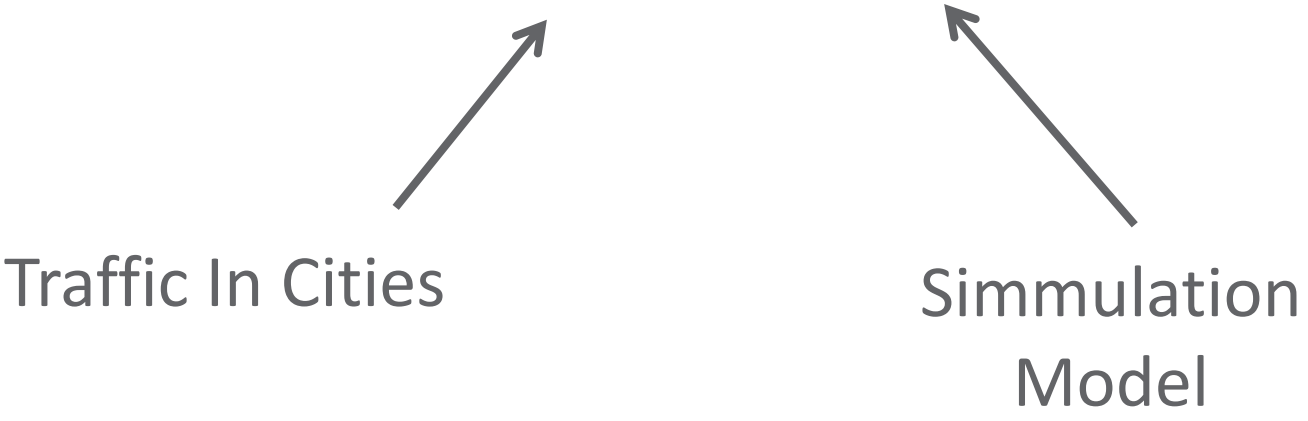
Vision Traffic Suite

INTRODUCTION OF PTV Vissim

Presented by: Ir Asiah Ismail

Date: 09 Feb 2021

PTV Vis sim



PTV Vissim

Traffic engineering tools

- Microscopic multi-modal traffic flow simulation
- Detailed representation of geometry and individual vehicle behaviour models
- Private vehicle, pedestrians and public transport interactions

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OVERVIEW:

- Graphical User Interface – GUI
- Background files
- Developing the model network
- Traffic base data
- Traffic volumes
- Traffic speeds and routes

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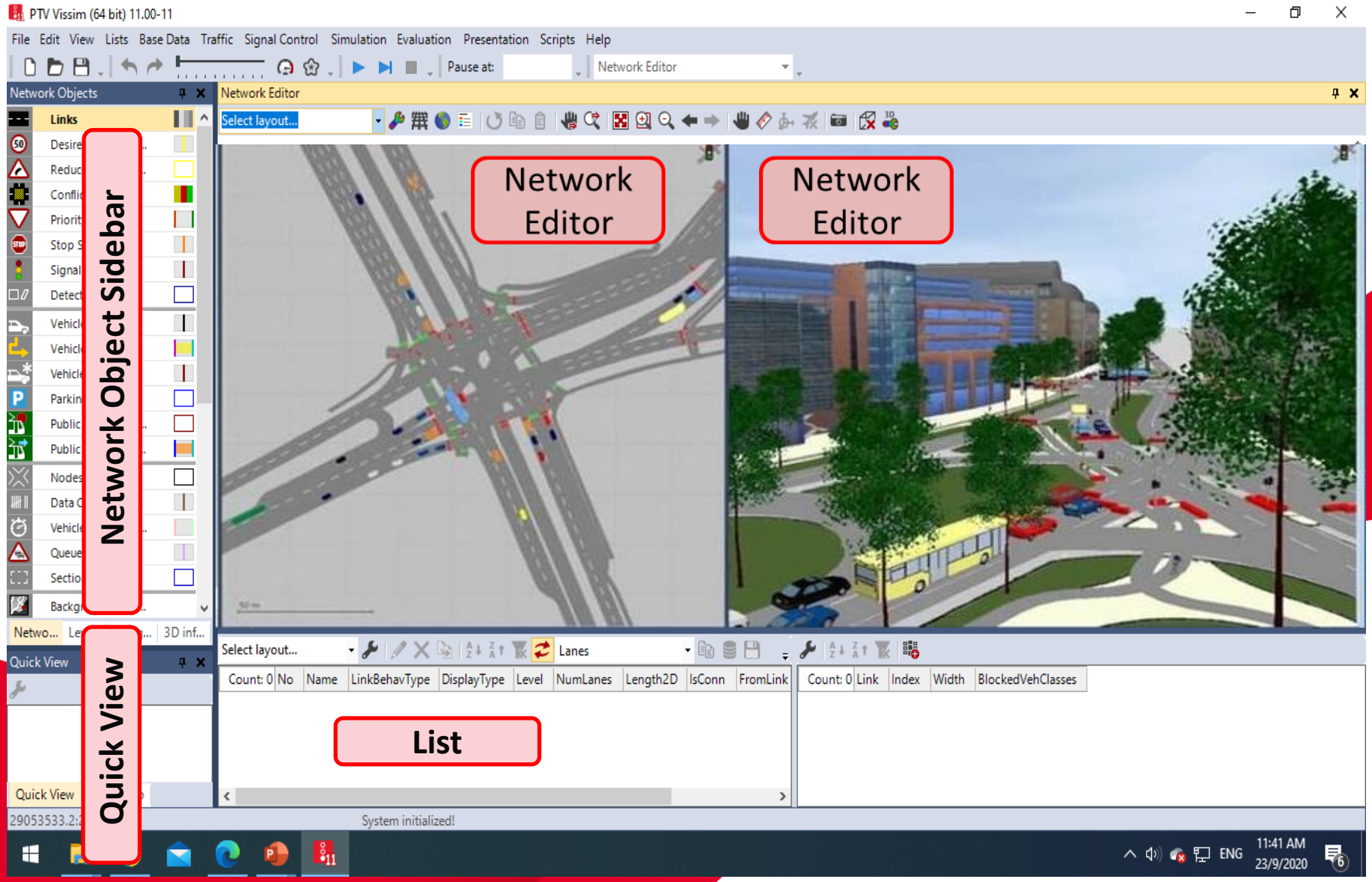
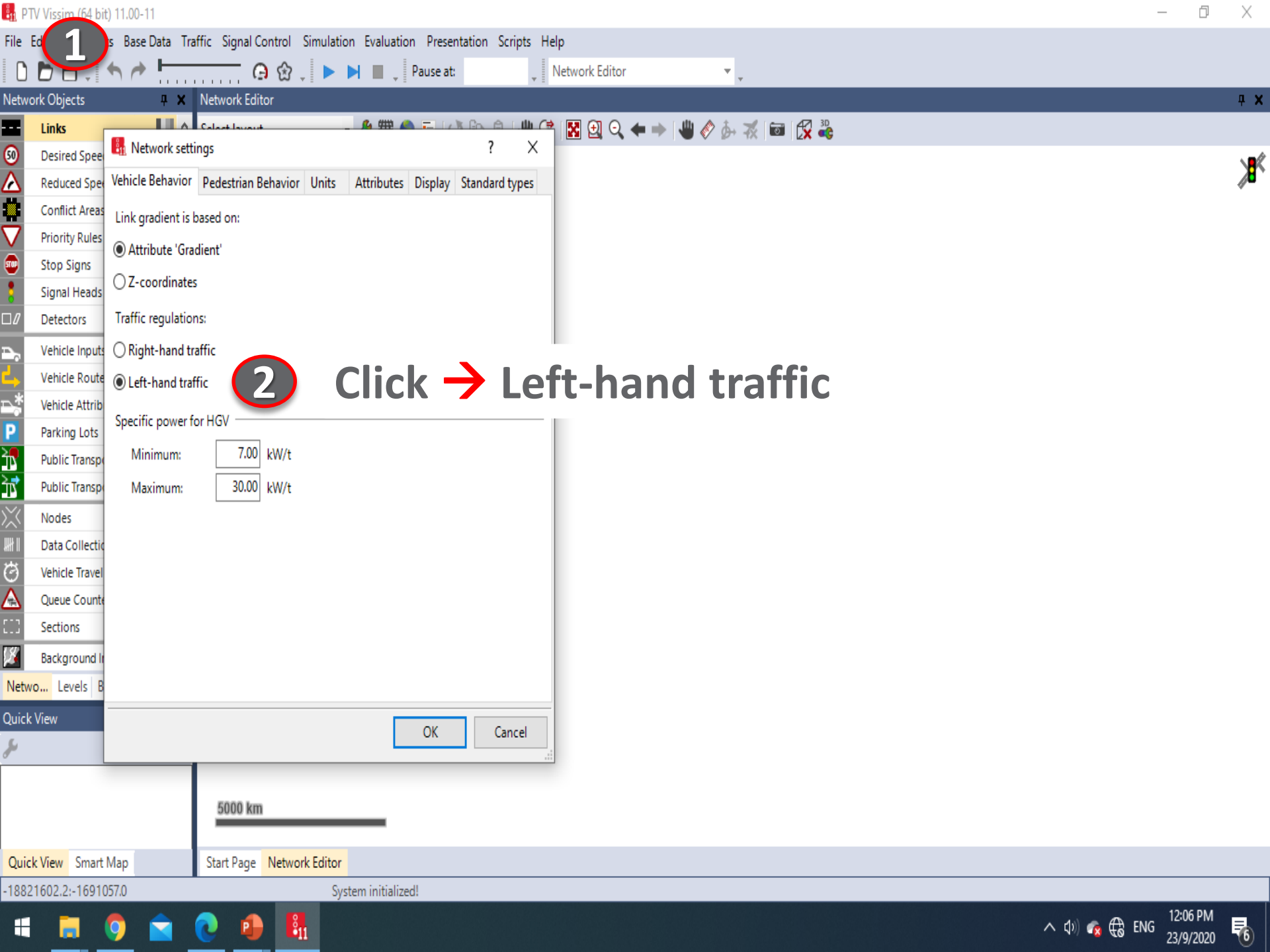
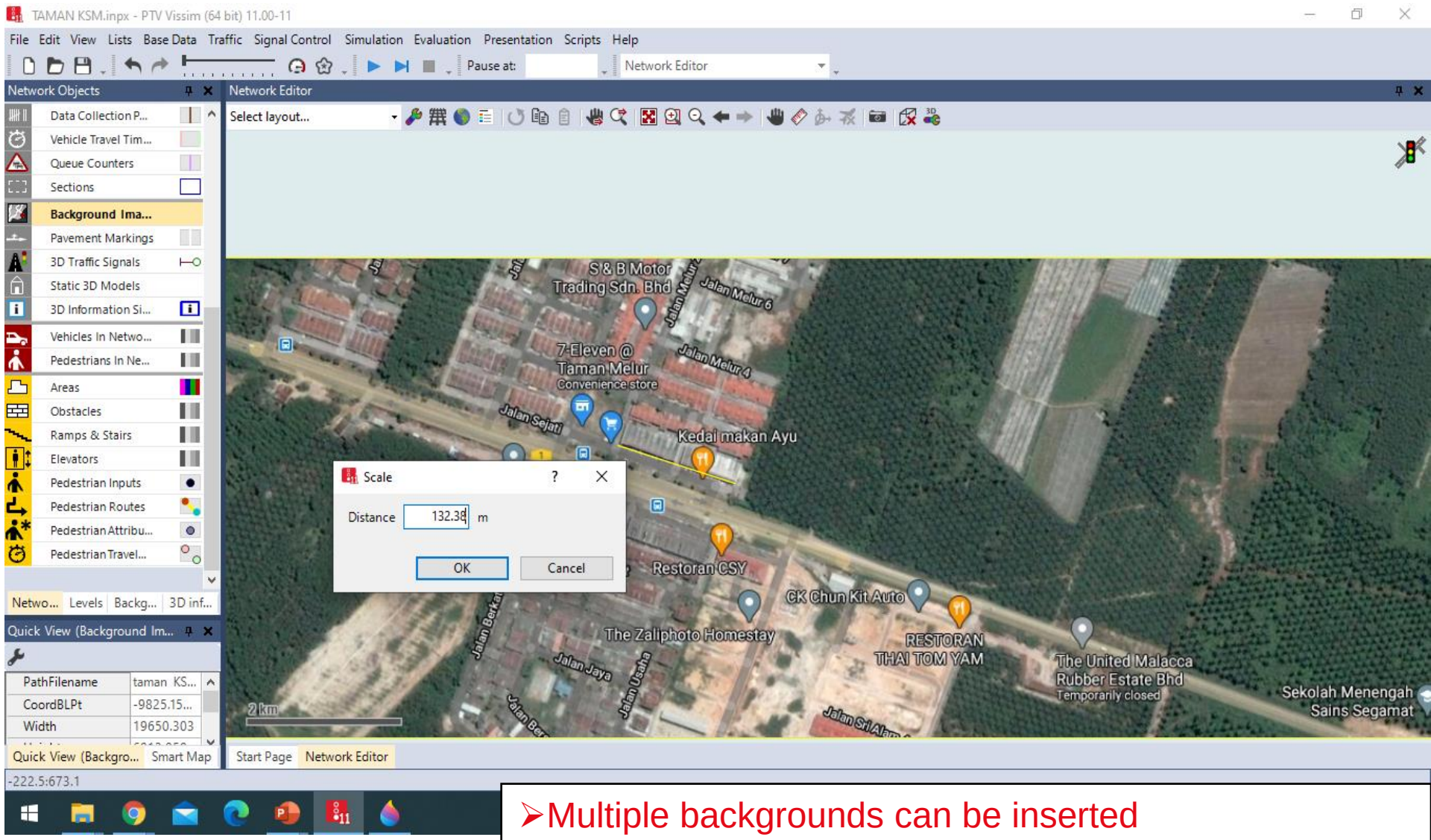
GRAPHICAL USER INTERFACE – GUI



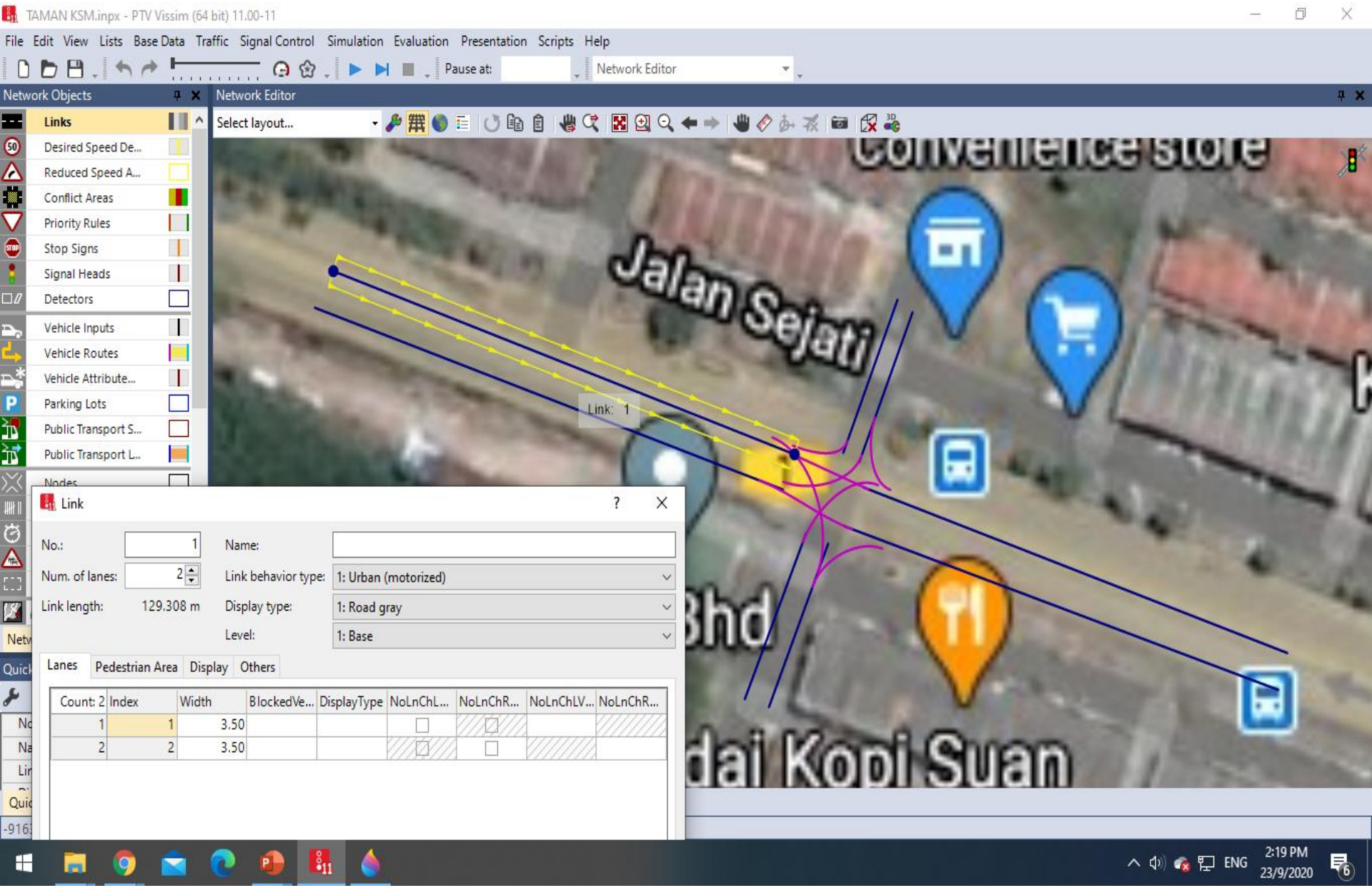

1
Network settings
Vehicle Behavior
Pedestrian Behavior
Units
Attributes
Display
Standard types
Link gradient is based on:
Attribute 'Gradient'
Z-coordinates
Traffic regulations:
Right-hand traffic
Left-hand traffic
2
Click → Left-hand traffic
Specific power for HGV
Minimum: 7.00 kW/t
Maximum: 30.00 kW/t
OK
Cancel

Begin Model Development – background file

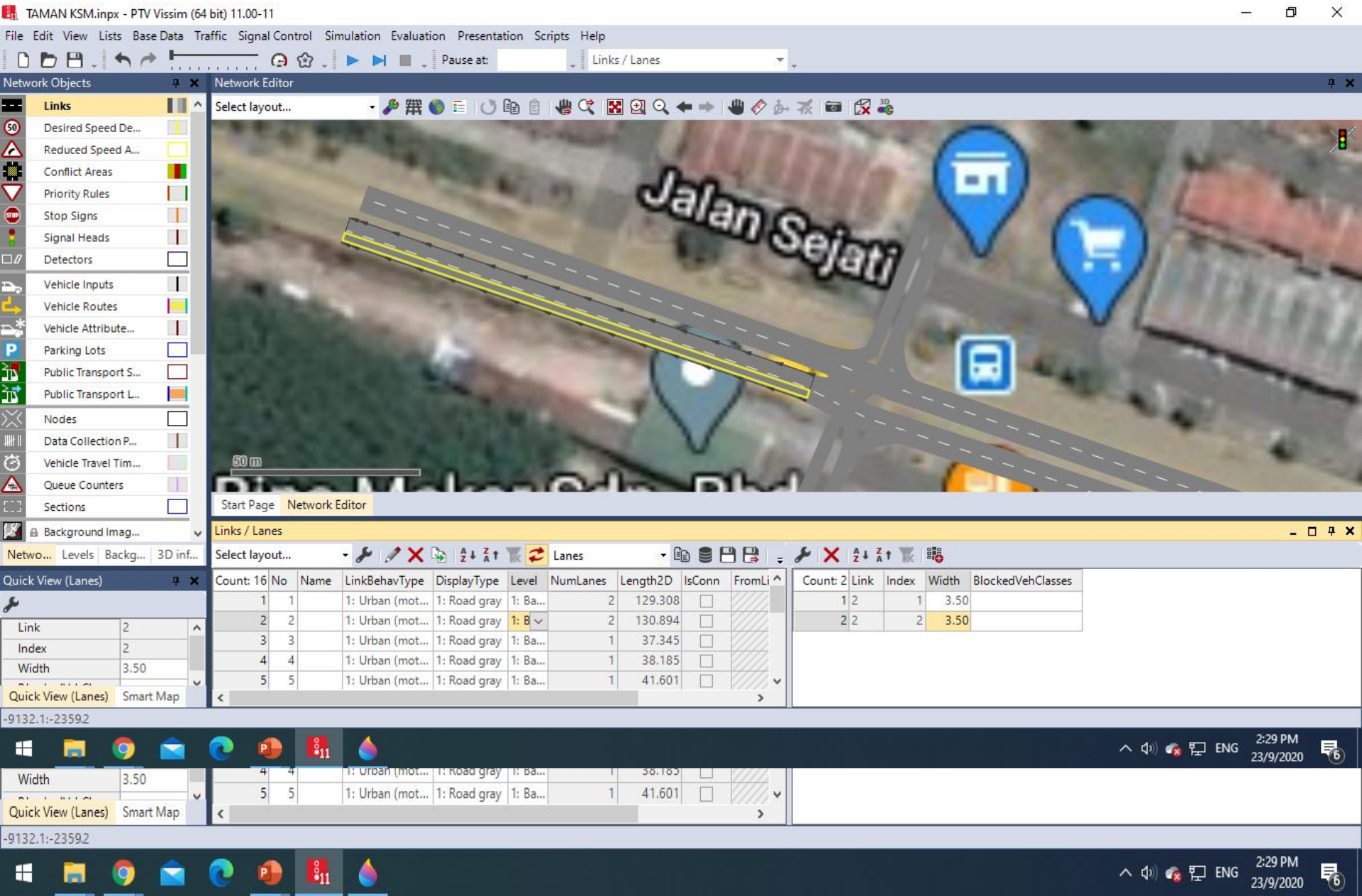


- Multiple backgrounds can be inserted
- BMP, JPG, TIF, SHP & DXF formats are accepted

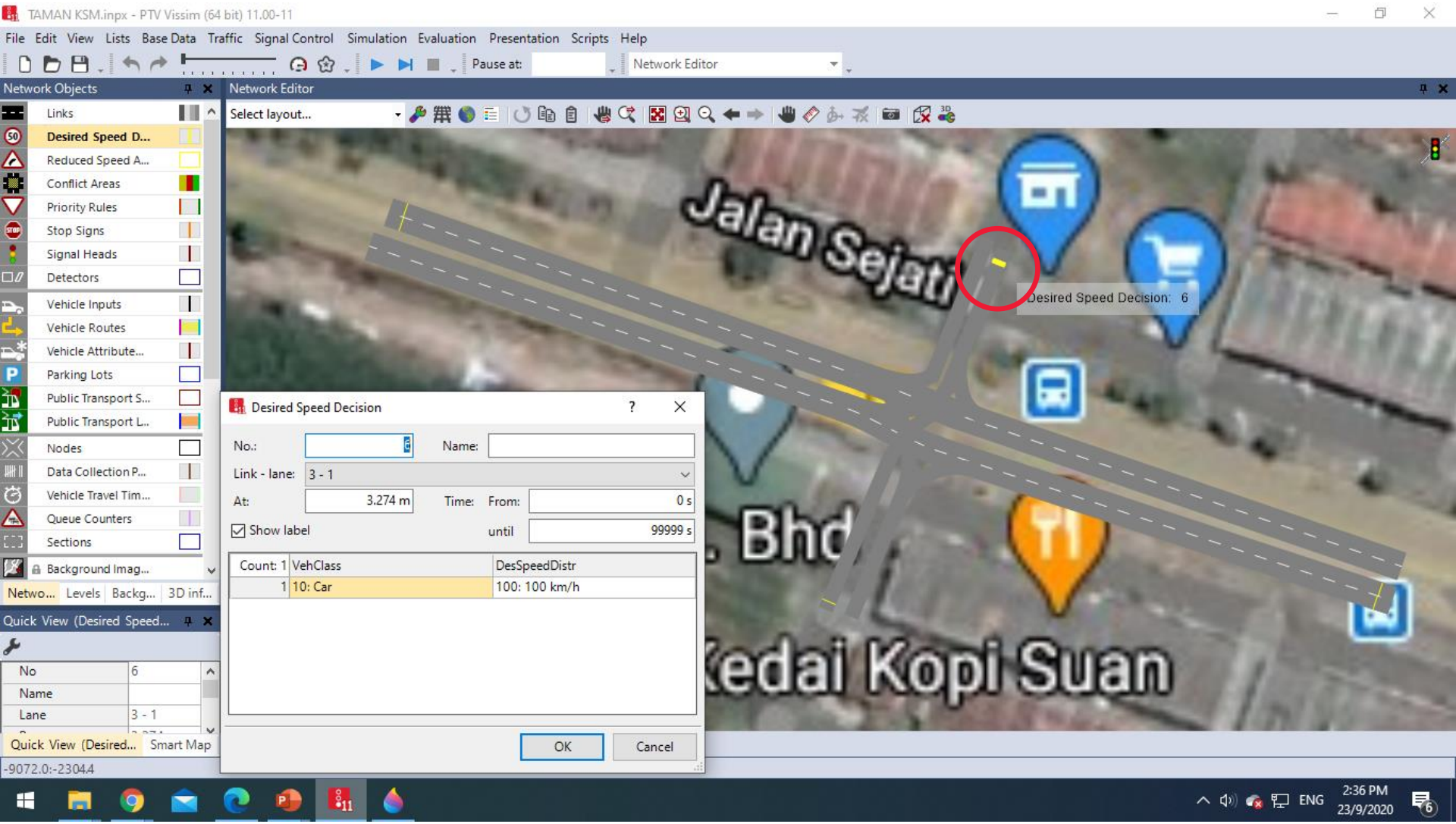
Add Links and Connectors



Add Links and Connectors

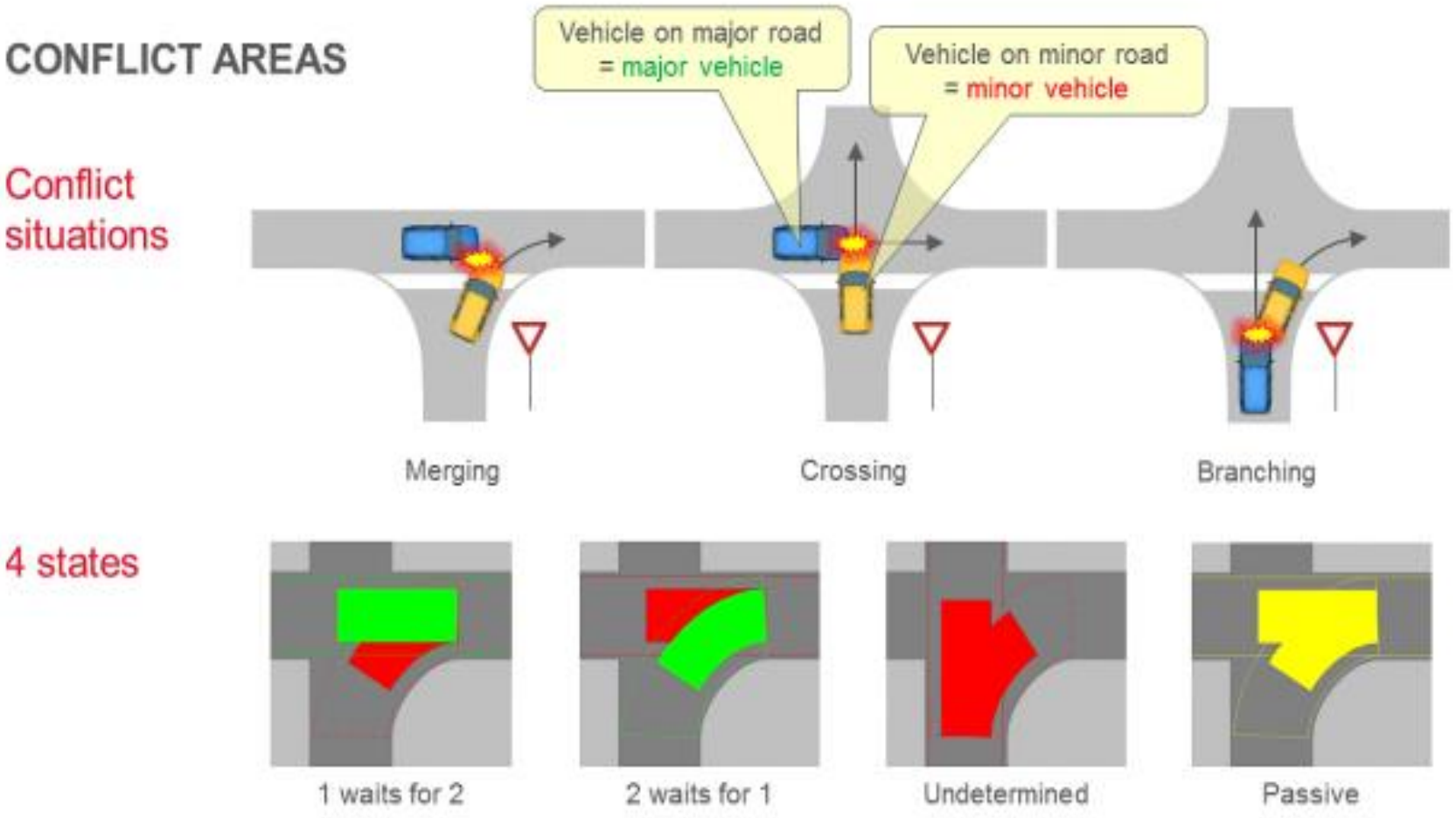


Desired Speed

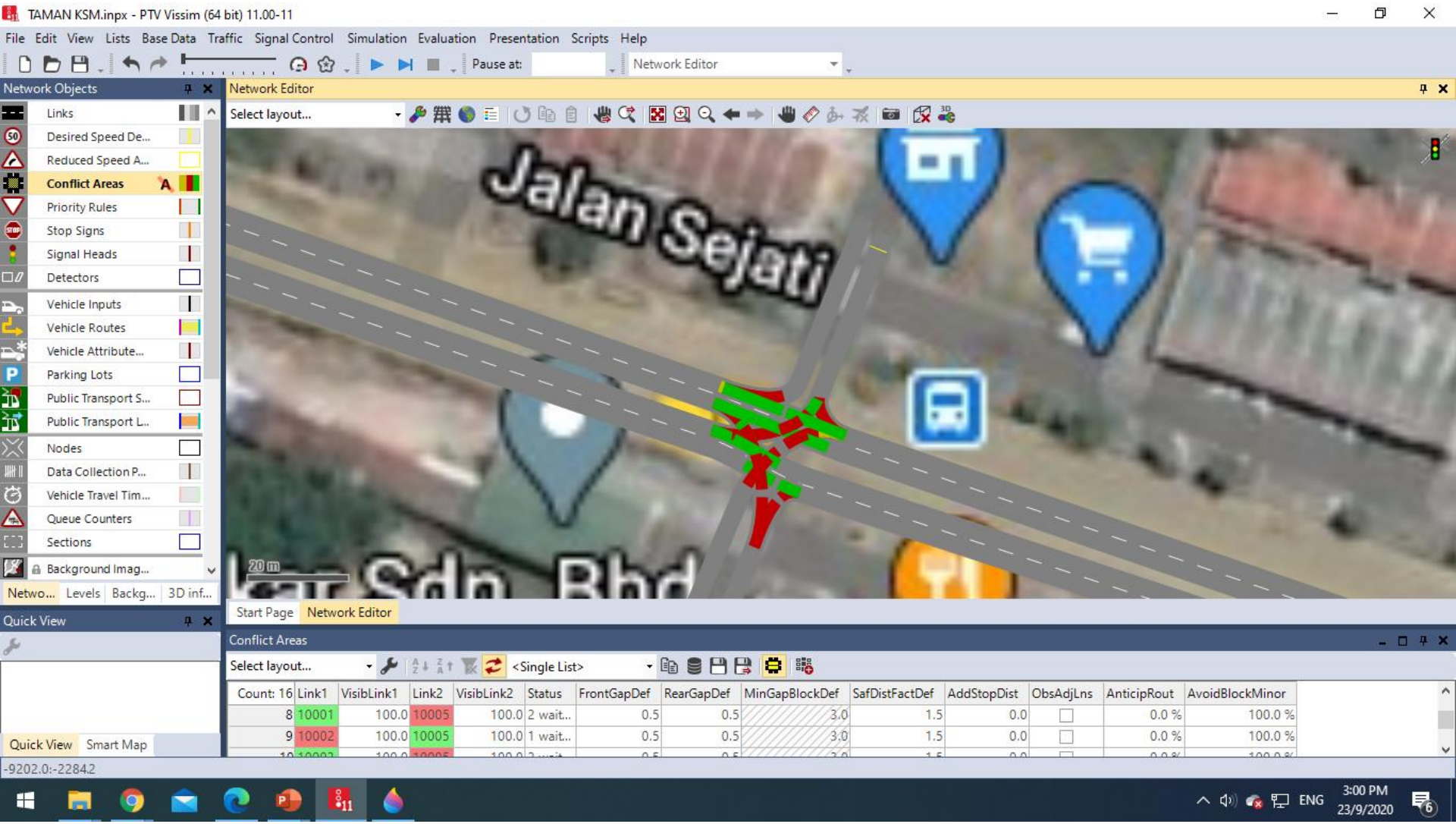


Conflict Area

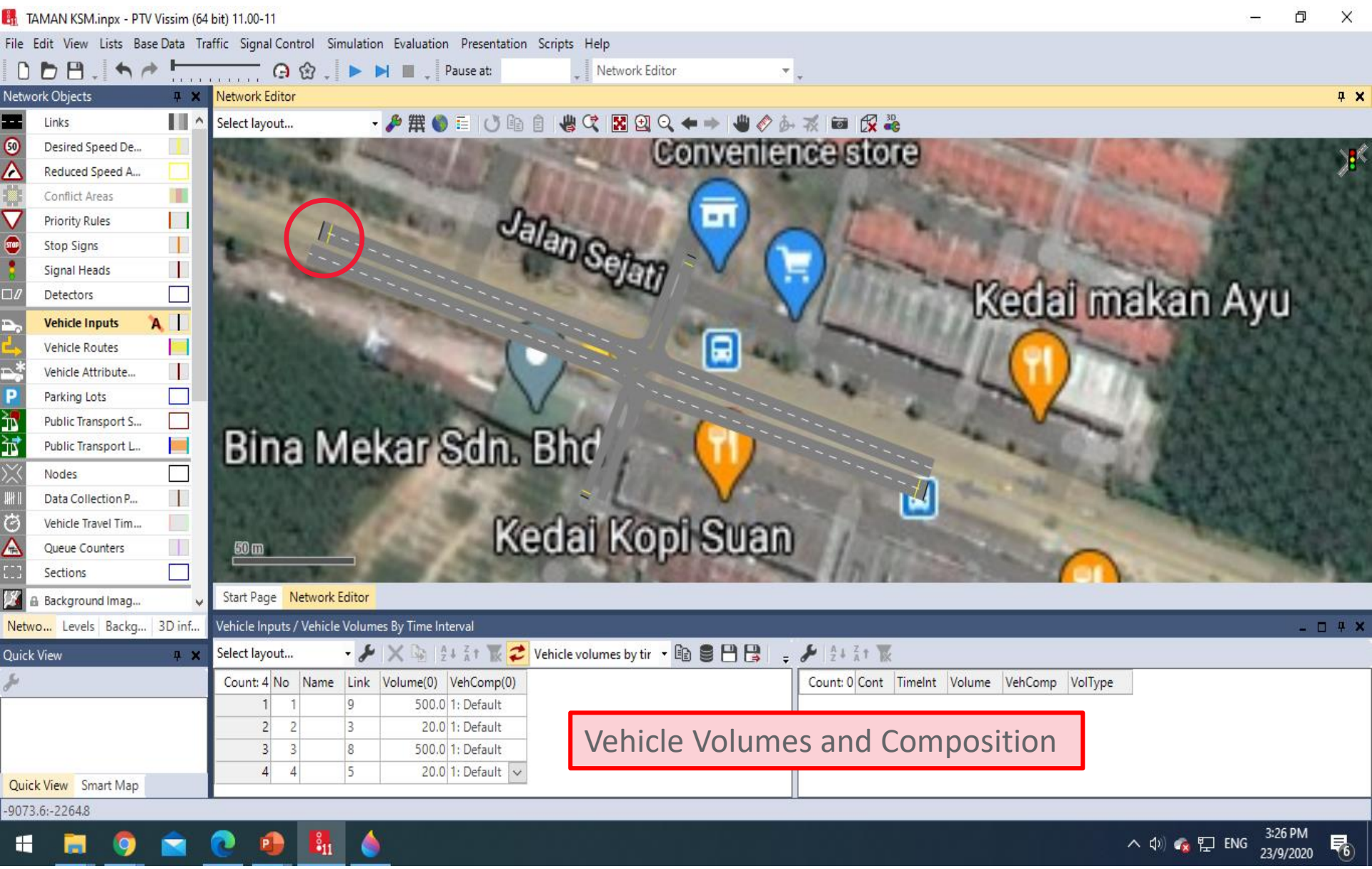
- Conflict areas are the preferred method to model unsignalized right of way.



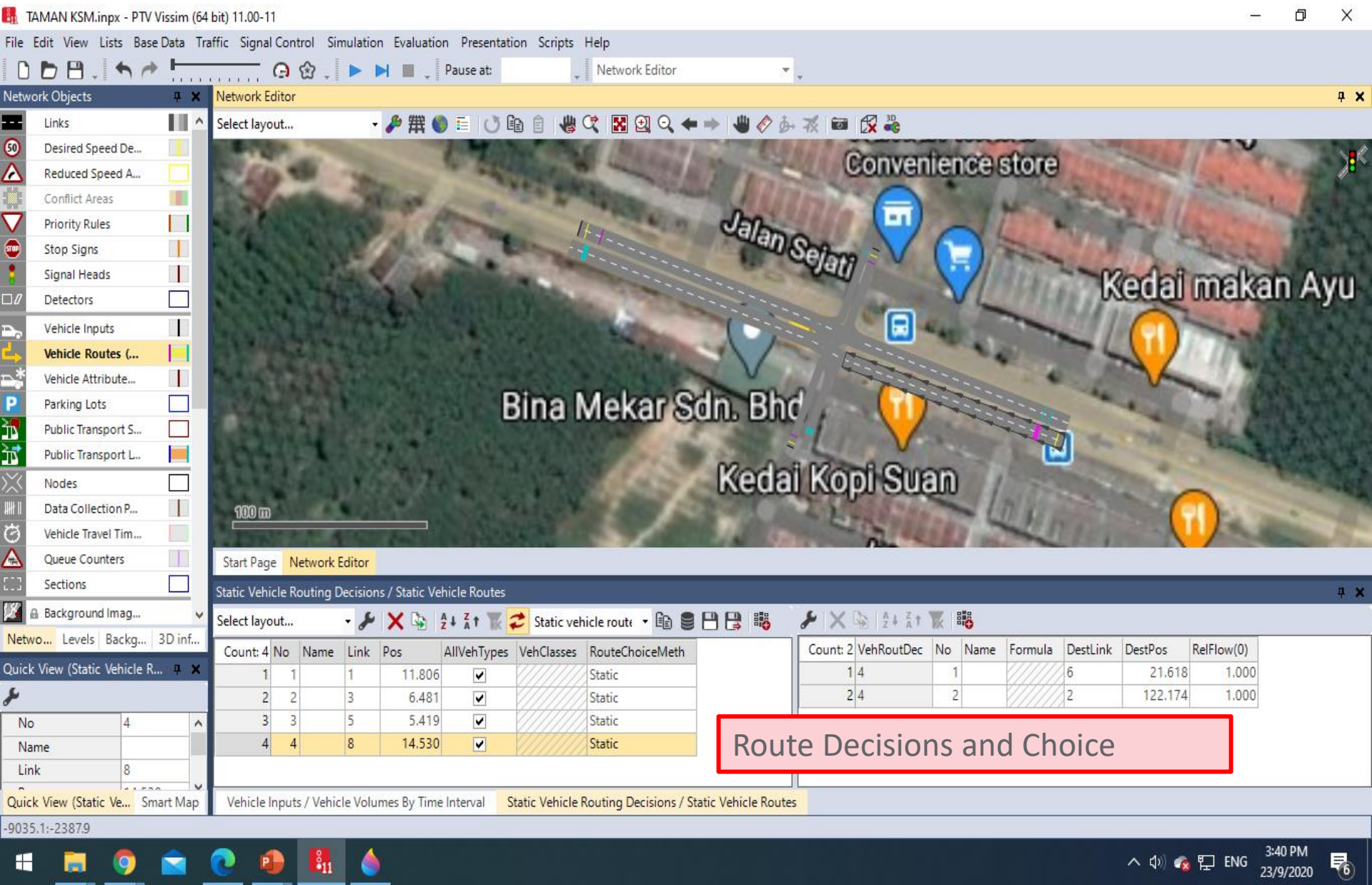
Conflict Area



Vehicle input



Vehicle Route



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