# Florida Turnpike Enterprise Next Generation Turnpike State Model (TSM_NextGen_v4)

## QUICK SET-UP GUIDE

FLORIDA'S TURNPIKE ENTERPRISE

# TSM_NEXTGEN_v4 MODEL REQUIREMENTS

The model requirements are shown in Tables 1-2.

*Table 1 Computer Requirements for Model*

| HARDWARE | REQUIREMENTS |
|---|---|
| RAM | 196 GB |
| CPU | Minimum CPU @ 2.67GHz or higher; Minimum Cores 48 |
| DISK SPACE | 250 – 500 GB |

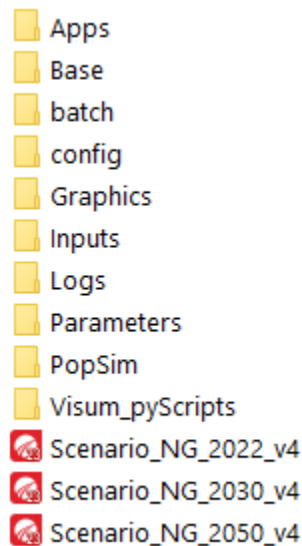*Table 2 Software Requirements for Model*

| SOFTWARE | REQUIREMENTS |
|---|---|
| PTV VISUM | PTV Visum Expert 2023 (SP 1-3) |
| JAVA | jdk-1.8 |

# 1. MODEL SETUP

This section explains the setup procedures. The user must unzip the model to the C: drive location, as shown below. Figure 1 shows the model subfolders and the version files.
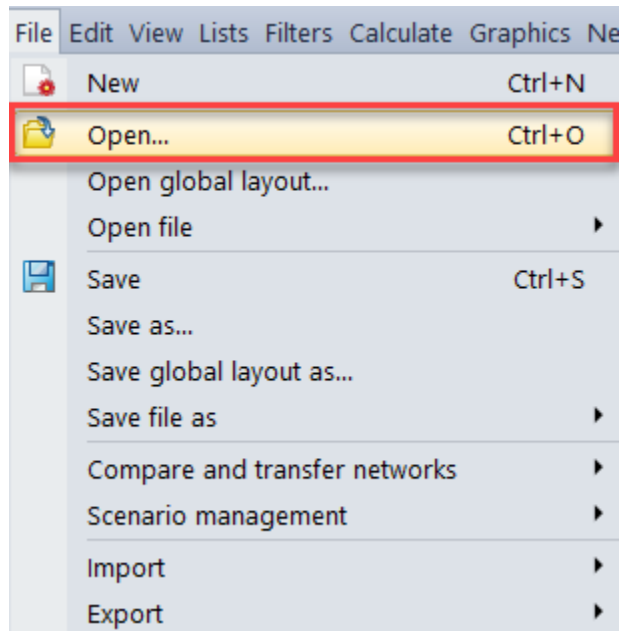
- C:\TSM_NextGen_v4).

*Figure 1 TSM Folder Structure*

📁 Apps
📁 Base
📁 batch
📁 config
📁 Graphics
📁 Inputs
📁 Logs
📁 Parameters
📁 PopSim
📁 Visum_pyScripts
📄 Scenario_NG_2022_v4
📄 Scenario_NG_2030_v4
📄 Scenario_NG_2050_v4

The Version File [*.ver] is the primary type opened by Visum that includes all the network data contained within the base network, roadway, zones, matrices, and other associated files. The model includes three version files: the Base Year 2022, and Future Years 2030 and 2050, respectively. If the user wants to open the version file, go to the File → Menu → and select Open (See Figure 2). Then, double-click the *.ver file.

*Figure 2 Opening a \*.ver file in Visum*

In the *"Procedure Sequence",* the user will find the predefined model components. Run the model by pressing the ► symbol in the upper left corner of the *"Procedure Sequence"* window (See Figure 3).

*Figure 3 Procedure Sequence Window*