Transitioning to TBEST 4.5

TBEST 4.5 is installed with new features which will require the user to transition a limited set of data and files if an older version of TBEST is already installed. Below are instructions for transitioning to TBEST 4.5:

1. **Evaluate current TBEST modeling projects prior to transitioning to TBEST 4.5**
    a. TBEST 4.5 installs with the **TBEST Land Use Model 2018** model structure. If your organization is currently applying the TBEST Land Use Model 2016 (or other model structure) within a planning project using a validated TBEST Transit System, it may be prudent to delay installing TBEST 4.5 until the project is completed.

2. **Install TBEST 4.5**
    a. Download the latest TBEST installation file from the TBEST website. Select the install which matches the ArcGIS version on the target machine.
    b. Uninstall any existing TBEST software instance and install TBEST 4.5

3. **Remove Model Files**
    a. If present, model files deployed with prior TBEST versions should be removed from the machine. This includes the **TBEST Model**, **TBEST Land Use Model** and **TBEST Land Use Model 2015, and TBEST Land Use Model 2016** structures.
    b. To remove a model, open TBEST and navigate to the *Models* folder in the TBEST Explorer panel. Within the *Models* folder, right-click on the model to remove and select *Delete* from the context menu.
    c. Unless you are working with a custom model, the TBEST Land Use Model 2018 should be the only remaining model. Figure 1.1 illustrates the default list of models within the TBEST Explorer *Models* folder after all legacy models have been removed.
    d. Users with custom model structures not listed in the instructions above will need to convert the model to be compatible with TBEST 4.5 before proceeding.

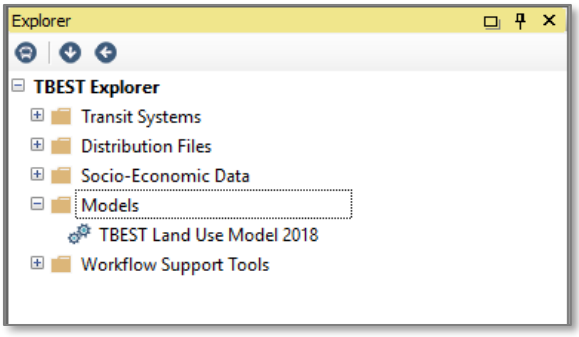

Figure 1.1 TBEST Explorer after Removing Legacy Models

4. **Remove the model validation for existing Transit Systems**
    a. Do to model code changes in the TBEST Land Use Model 2018 model structure released with TBEST 4.5, users will need to re-validate all Transit Systems. If no current validation exists for the Transit System, proceed to Step 5.
    b. Prior to removing the current validation, from within TBEST, download the latest Florida socio-economic support data.
    c. Remove the current model validation. To remove a model validation, right-click on the Base Scenario in the TBEST Explorer panel and select *Validation → Remove Validation* from the context menu. Reference the updated socio-economic data during the TBEST Transit System validation removal process.

5. **Reference the new TBEST Land Use Model 2018 to Transit System Scenarios**
    a. For each Transit System Scenario that needs updating, reference the new TBEST Land Use Model 2018 structure through the Scenario Properties.
    b. Scenario Properties can be accessed within the TBEST Explorer panel by right-clicking on a Scenario and selecting *Properties* from the context menu. Within the **Scenario Properties** dialog, select the *TBEST Land Use Model 2018* option in the *Scenario Model* drop-down list and click the *OK* button.
    c. The Scenario Properties dialog with the TBEST Land Use Model 2018 selected is illustrated in Figure 1.2 below.
    d. Run the TBEST Ridership Estimation model for each updated scenario.

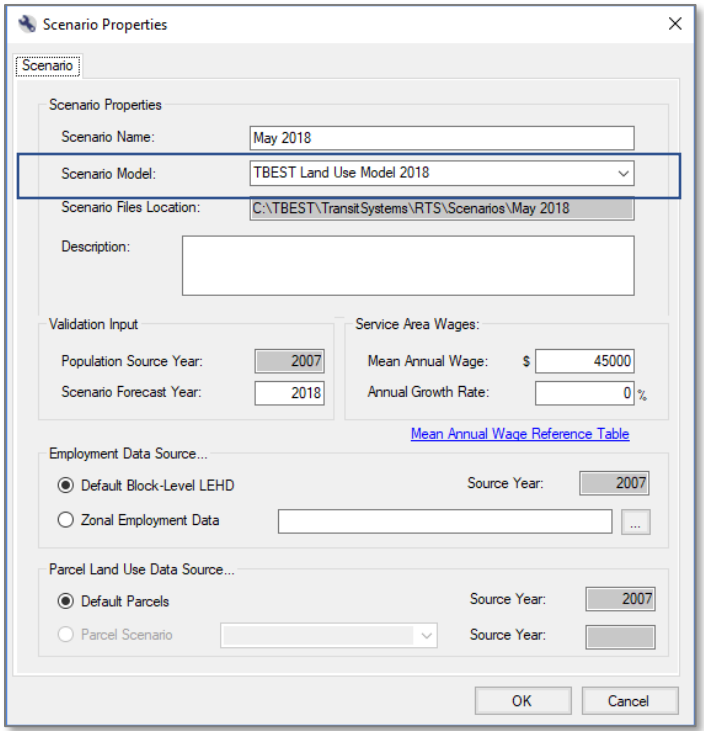

Figure 1.2 TBEST Scenario Properties with TBEST Land Use Model 2018

6. Re-validate the Transit System

a. If the Transit System model validation was removed in Step 4, users will need to validate the Transit System with the updated TBEST Land Use Model 2018.

b. Performing the re-validation required for TBEST 4.5 may provide an opportunity to update the base TBEST scenario network to current agency service patterns. Review the current TBEST base scenario network and determine if noteworthy service changes have been implemented or system performance has adjusted since the previous system validation. If it is determined that base conditions have changed enough to warrant TBEST network updates, prior to performing the Transit System validation the user should import the latest base network from GTFS and input other network characteristic changes such are fare, route-level observed ridership, socio-economic growth rates, etc.