

TRANSIMS Version 4.0

February 2010 Release

Change Log edited: 3/1/2010

SysLib

TransimsNet 4.0.26

POCKET_TO_FACILITY_BY_AREA_TYPE key was added to control the minimum facility type by area type a pocket lane can turn into when deciding to add a pocket lane to a link.

ConvertTours 4.0.1

New program to convert tour-based travel files to TRANSIMS trip, household, population, and vehicle files. MODE_OUT and MODE_IN fields were added to the script output file. The return time is now interpreted as the time the trip returns home. Multiple tours from the same household start at the same home location. Trip numbers is now person-based rather than tour-based. The same vehicle number is used for multiple tours of a given person within the household.

TPPlusNet 4.0.3

The program now detects if the input TP-Plus link or node file is an ArcView shape file and accordingly reads the shape points for export to a NEW_SHAPE_TABLE. The speed-capacity lookup table logic was expanded to include two digit facility type, area type, and lane values and to interpret the value modification flags (+, -, *) in front of the capacity and speed data. FACILITY_INDEX_FIELD and AREA_TYPE_INDEX_FIELD keys were added to permit the user to read a field from the input link file as the index into the speed-capacity lookup table. CONVERT_MPH_TO_MPS key was added to force a conversion of the speed data in the speed-capacity lookup table from MPH to MPS. Warning messages are also generated if the speed values are less than 0.1 MPS.

Microsimulator 4.0.76

A change was made to eliminate link access problem messages when moving between links.

LocationData 4.0.10

Logic was added to allocate subzone data to activity locations proportional to the distance to the subzone centroid. These calculations are activated by setting MAX_SUBZONE_DISTANCE to zero.

PlanSum 4.0.53

Logic was added to protect against the trip length calculation errors when the origin or destination parking location has an offset of zero.