

TRANSIMS Version 4.0.8

Software Changes between 4.0.7 and 4.0.8

SysLib

The Speed Bin class was modified to accommodate additional vehicle type options.

Zone Location class was added to manage zone location map files

Link Detail file and data classes was added.

LinkSum 4.0.32

RELATIVE_GAP_REPORT was added to calculate the travel time weighted differenced between to link delay or performance files. The Relative Gap Report was modified to use the travel time from the previous link delay file in the gap calculation. The absolute value function was removed from the relative gap calculation.

PlanCompare 4.0.46

A bug was fixed for situations where trip files are used to confirm complete trips and the location of trip ends, but the actual activity location numbers do not match between the two file.

The Type codes written to the incomplete trip file were refined.

NEW_PERIOD_DIFFERENCE_FILE key was added to summarize the trip time or cost differences by time period. A total line was added to the NEW_PERIOD_DIFFERENCE_FILE output.

PERIOD_CONTROL_POINT key was added to select the time point used for setting summary time period (mid-trip, origin, or destination).

Router 4.0.66

Messages are now written to the Problem file during plan updates.

PlanPrep 4.0.15

DELETE_HOUSEHOLD_LIST key was added to remove specified travelers from the plan file.

DELETE_ONE_LEG_PLANS key was added to remove input plans with only one travel leg during copying and merging operations. DELETE_ONE_LEG_PLANS logic was expanded to include plan partitioning and file combination applications. MERGE_BY_TRIP key was added to permit the program to merge/replace selected trips within a household rather than all trips within the household.

Microsimulator 4.0.79

The Speed Bin output class was modified to accommodate additional vehicle type options. The code was changed to remove vehicles that overshoot their destination parking lot rather than leave them in the network until they are removed as a wait time problem. A few additional pointer checks were added to avoid potential null pointer crashes.

ConvertTrips 4.0.21

ZONE_LOCATION_MAP_FILE key was added to read and process the distribution of activity locations to multiple zones.

ConvertTours 4.0.13

ZONE_LOCATION_MAP_FILE key was added to read and process the distribution of activity locations to multiple zones. Additional logic was included to address problems coordinating at-work sub-tours with various work tour mode and schedule combinations. Additional logic was included to generate at-work vehicles and tours for work tours made by non-auto modes. HOUSEHOLD_LIST key was added to convert a subset of household tours. The random seed for the user script is now set based on the random seed key.

HHList 4.0.1

The program was modified to read both a trip file and activity file during the same application.

TripPrep 4.0.7

MERGE_TRIP_FILE, MERGE_TRIP_FORMAT, MERGE_ACTIVITY_FILE, MERGE_ACTIVITY_FORMAT, MERGE_VEHICLE_FILE, and MERGE_VEHICLE_FORMAT keys were added to facilitate selective updates for trip or activity files and vehicles files. The logic was modified to enable the merging of vehicle files without also merging a trip or activity file. MOVE_ORIGIN_FILE and MOVE_DESTINATION_FILE keys were added to move trips from one activity location to another. CONVERT_ACTIVITIES_TO_TRIPS key was added to change an activity file format to the trip file format. A bug was fixed in reading the MOVE_DESTINATION_FILE key. Trip and Activity files can be processed at the same time and the CREATE_INDEPENDENT_TRIP key now works on Trip files in addition to Activity files.

TripSum 4.0.21

The program logic was modified to read both an activity and trip file at the same time for reporting purposes. A bug was fixed in trip processing and partitioned applications.

LinkData 4.0.2

New program to convert one-way link volumes and speeds to two-way link numbers. A bug was fixed in reading the link node file. NEW_DIRECTIONAL_DATA_FILE key was added to add the link number and direction code to the input directional data file.

TPPlusNet 4.0.4

NEW_LINK_DETAIL_FILE key was added to enable the user script to save additional details about the traffic control, pocket lanes, and use restrictions on the link.

TransimsNet 4.0.30

LINK_DETAIL_FILE key was added to process additional link details about traffic controls, pocket lanes, and lane use restrictions. The signal and sign logic was updated to use the link detail specifications. A lane connectivity refinement was made for single lane approach links that can

only make right turns to multiple departure links. Warning messages about u-turns at zone centroids were removed. The link detail pocket lanes were checked against the network turning movements to ensure that a roadway exists before the pocket lane is added. The lane distribution in the link detail file was checked against the number of thru lanes to determine if pocket lanes or dedicated turn lanes should be created. A pointer was initialized to avoid problems generating stop signs in the Linux version.

PlanSum 4.0.55

SKIM_TIME_CONTROL_POINT key was added to set the time point within the plan to convert to a time period in the zone skim file.

LinkDelay 4.0.10

A bug was fixed in the time increment used in the output link delay file when the input file was Version4 and not equal to 15 minutes.