TRANSIMS Version 4.0

October 9, 2006 Release

Change Log edited: 10/9/2006

SysLib

Changes were made to the ArcView and dBase data structures to avoid problems caused by 64 bit long integers and structure alignment.

Logic was added to the Db_Header interface to enable programs to create a definition file for files identified as having zero header records, but for which the programmer has defined fields prior to opening the file.

The Db_File open function was changed to automatically add "New" to the beginning of all file labels and names that are open in create mode. The "New" labeling was removed from all of the Db_Header Setup functions.

The New_* key and file service concepts was expanded to include the demand services as well as the network services. String fields were removed from the demand file classes in order to take advantage of the Db_Header string interface.

A transit ridership data, file, and service classes were added to the demand service interface. The ridership data was overlaid on top of the transit line data class. An ridership output class was developed for the Microsimulator.

SubareaPlans 4.0.11

Reports were added to summarize subarea trips by internal-external or origin-destination zone groups by time period. Zone equivalence and time period equivalence files were added to define the report dimensions.

ConvertTrips 4.0.6

The warning messages about parking access were limited to activity locations with zone numbers. This eliminates messages generated for transit waiting areas.

SmoothData 4.0.0

The SmoothData program was converted to Version 4.0. Format keys were added for the input and output files.

PlanSum 4.0.11

A null pointer problem was fixed when a Trip Time Report was requested, but a Trip Time File was not. The service level was increased to demand service to accommodate the New_* key and file services for the link delay and ridership files. All output key names were modified to include the New_* convention.

AdjustPlans 4.0.3

The traveler data structure was updated to included the Traveler Scaling factor.

LinkSum 4.0.7

The program can now summarize the link performance file as well as the link delay file.

Microsimulator 4.0.13

The Transit Ridership output group was added.