TRANSIMS Version 4.0

June 1, 2007 Release

Change Log edited: 5/31/2007

SysLib

Link_Field and Time_Field methods were added to the Problem file class.

The Time_Range class was modified to work with zero time increments.

The Problem file was updated to include a survey household ID for activity generation.

Logic was added to the CSV field type scanning algorithm to interpret numbers with an exponent symbol ("E") as DOUBLE rather than STRING.

ArcPlan 4.0.5

Logic checks were added to skip transit legs when transit network data are not provided. The HOUSEHOLD_LIST key was added to limit the selection to plans for a subset of households.

ProblemSelect 4.0.1

The SELECT_SUBAREA_POLYGON key was added to select problems that occur within an ArcView Shapefile polygon. Flags for select link and select time period processing were set.

ProblemSum 4.0.0

New program to generate summarize reports from Problem file data.

ArcProblem 4.0.0

New program to generate ArcView Shapefiles from Problem file data.

LinkSum 4.0.11

The SELECT_SUBAREA_POLYGON key was added to select links within an ArcView Shapefile polygon. The SELECT_FACILITY_TYPES key was implemented. A new report called NETWORK_PERFORMANCE_SUMMARY was added to summarize lane miles, vehicle miles of travel, vehicle hours of travel, and vehicle hours of delay by time of day. The impact of lane use restrictions by time of day were integrated into several reports.

PlanSum 4.0.22

Additional error checks were added to plan processing and error messages were changed to warning messages to facilitate processing plans on an edited network. Additional transit related reports were added: TRANSIT_STOP_SUMMARY and TRANSIT_TRANSFER_SUMMARY. The HOUSEHOLD_LIST key was added to limit the summary processing to plans for a subset of households.

SubareaPlans 4.0.17

Error messages were changed to warning messages to facilitate processing plans on an edited network.

ActGen 4.0.7

The survey activity file logic was updated to detect and compensate for missing DURATION fields. A bug was fixed in assigning mode coded in the zone-based method. The survey household ID was added to the problem file output. A bug was fixed in setting the reference activity for non-anchored tours. The TRIP_LENGTH_SUMMARY report was added. Warning messages were printed for trip purposes that do not have a processing group. Protections were added to the zone-based model to avoid problems caused by failing to include an activity location variable for sub-zone location choice. Activity locations with zero zone numbers were changed from error messages to warning messages to accommodate activity locations at transit stops.

SmoothPlans 4.0.1

Error Messages were changed to warning messages to facilitate processing plans on an edited network.

Router 4.0.23

RAIL_BIAS_CONSTANT key was added to include a fixed component to the rail bias concept.

PlanCompare 4.0.5

The HOUSEHOLD_LIST key was added to limit the comparison to plans for a subset of households. Comparison reports PERCENT_PATH_CHANGE, PERCENT_TRAVEL_TIME_CHANGE, DUMP_PATH_CHANGES_GREATER_THAN_*, DUMP_TRAVEL_TIME_CHANGES_GREATER_THAN_* were added. The class root was changed from Execution_Service to Demand_Service to enable TRAVELER_SCALING_FACTOR processing for Household IDs.