

TRANSIMS Version 5

Parameter Reference

AB_SPEED_FIELD_NAME.....	3
AB_VOLUME_FIELD_NAME	4
ACCESS_FORMAT	4
ACTIVITY_DURATION_1	4
ADD_PASSENGER_CIRCLE_SIZE	4
ADD_PASSENGER_SQUARE_SIZE	4
ADD_UTURN_TO_DEAD_END_LINKS.....	4
ADDITIONAL_TRAVEL_TIME.....	4
ARCPLAN_REPORT_1	4
AREA_TYPE_INDEX_FIELD	5
AVERAGE_TRAVEL_SPEED_1.....	5
BA_SPEED_FIELD_NAME.....	5
BA_VOLUME_FIELD_NAME	5
BANDWIDTH_SCALING_FACTOR	5
BICYCLE_SPEED	5
BICYCLE_TIME_VALUES_1.....	5
BUS_BIAS_CONSTANTS_1.....	5
BUS_BIAS_FACTORS_1.....	5
CELL_SIZE	6
CENTER_ONEWAY_LINKS.....	6
CIRCULAR_GROUP_FLAG	6
CLEAR_INPUT_FLOW_RATES	6
COLLAPSE_DIVIDED_ARTERIALS	6
COLLAPSE_SHAPE_NODES	6
COMPARE_GENERALIZED_COSTS	6
COMPARE_PERFORMANCE_FORMAT	6
COMPARE_PLAN_FORMAT	6

CONGESTED_TIME_RATIO	6
CONNECTION_FORMAT	7
CONTOUR_DISTANCE_INCREMENTS	7
CONTOUR_TIME_INCREMENTS	7
CONVERTTRIPS_REPORT_1	7
COORDINATE_RESOLUTION	7
COPY_EXISTING_FIELDS	7
COPY_LOCATION_FIELDS	7
COST_VALUES_1	7
COUNT_PROBLEM_WARNINGS	7
CURVED_CONNECTION_FLAG	7
DAILY_WRAP_FLAG	7
DATA_FORMAT_1	8
DATA_JOIN_FIELD_1	8
DEBUG_LINK_LIST	8
DEBUG_TIME_RANGE	8
DEBUG_VEHICLE_LIST	8
DEFAULT_FILE_FORMAT	8
DEFAULT_LINK_SETBACK	8
DEFAULT_LOCATION_SETBACK	8
DEFAULT_PARKING_DURATION	8
DELETE_LINK_RANGE	8
DELETE_NODE_RANGE	9
DESTINATION_LOCATIONS_PER_ZONE	9
DESTINATION_WEIGHT_FIELD_1	9
DETECTOR_FORMAT	9
DIRECTIONAL_DATA_FORMAT	9
DISTANCE_VALUES_1	9
DISTANCE_WEIGHT_FLAG_1	9
DRAW_AB_DIRECTION	9
DRAW_NETWORK_LANES	9
DRAW_ONEWAY_ARROWS	9

DRAW_VEHICLE_SHAPES	9
DRIVER_REACTION_TIME_1	10
DROP_DEAD_END_LINKS	10
DROP_SHORT_LINKS	10
END_TIME_CONSTRAINT	10
ENFORCE_PARKING_LANES	10
EQUATION_PARAMETERS_1	10
EXTENDED_GREEN_FACTOR_1	10
EXTERNAL_STATION_OFFSET	10
EXTERNAL_ZONE_RANGE	10
FACILITY_ACCESS_WARRANT_1	10
FACILITY_BIAS_FACTORS_1	10
FACILITY_INDEX_FIELD	11
FARE_CLASS_DISTRIBUTION	11
FILE_FORMATS	11
MAX_WARNING_EXIT_FLAG	13
MAX_WARNING_MESSAGES	13
MODEL_END_TIME	14
MODEL_START_TIME	15
NUMBER_OF_THREADS	17
PROJECT_DIRECTORY	19
RANDOM_NUMBER_SEED	19
REPORT_FLAG	19
TIME_OF_DAY_FORMAT	21
TITLE	22
UNITS_OF_MEASURE	22

AB_SPEED_FIELD_NAME

LinkData Control Keys

(blank)

AB_VOLUME_FIELD_NAME

LinkData Control Keys (blank)

ACCESS_FORMAT

See File Formats

ACTIVITY_DURATION_1

ConvertTrips Control Keys (blank)

ADD_PASSENGER_CIRCLE_SIZE

ArcSnapshot Control Keys Boolean

ADD_PASSENGER_SQUARE_SIZE

ArcSnapshot Control Keys Boolean

ADD_UTURN_TO_DEAD_END_LINKS

TransimsNet Control Keys Boolean

ADDITIONAL_TRAVEL_TIME

ConvertTrips Control Keys (blank)

ARCPLAN_REPORT_1

ArcPlan Control Keys (blank)

AREA_TYPE_INDEX_FIELD

NetPrep Control Keys (blank)

AVERAGE_TRAVEL_SPEED_1

ConvertTrips Control Keys (blank)

BA_SPEED_FIELD_NAME

LinkData Control Keys (blank)

BA_VOLUME_FIELD_NAME

LinkData Control Keys (blank)

BANDWIDTH_SCALING_FACTOR

Draw Service Keys (blank)

BICYCLE_SPEED

Path Building Service Keys (blank)

BICYCLE_TIME_VALUES_1

Path Building Service Keys (blank)

BUS_BIAS_CONSTANTS_1

Path Building Service Keys (blank)

BUS_BIAS_FACTORS_1

Path Building Service Keys (blank)

CELL_SIZE

ArcSnapshot Control Keys	(blank)
Flow-Time Service Keys	(blank)

CENTER_ONEWAY_LINKS

Draw Service Keys	Boolean
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CIRCULAR_GROUP_FLAG

Simulation Service Keys	Boolean
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CLEAR_INPUT_FLOW_RATES

Flow-Time Service Keys	Boolean
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COLLAPSE_DIVIDED_ARTERIALS

NetPrep Control Keys	Boolean
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COLLAPSE_SHAPE_NODES

NetPrep Control Keys	Boolean
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COMPARE_GENERALIZED_COSTS

PlanCompare Control Keys	Boolean
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COMPARE_PERFORMANCE_FORMAT

See File Formats

LinkSum Control Keys	FILE_FORMAT
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COMPARE_PLAN_FORMAT

See File Formats

PlanCompare Control Keys	FILE_FORMAT
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CONGESTED_TIME_RATIO

Data Service Keys	(blank)
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CONNECTION_FORMAT

See File Formats

System File Keys	FILE_FORMAT
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CONTOUR_DISTANCE_INCREMENTS

ArcPlan Control Keys	(blank)
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CONTOUR_TIME_INCREMENTS

ArcPlan Control Keys	(blank)
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CONVERTTRIPS_REPORT_1

ConvertTrips Control Keys	(blank)
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COORDINATE_RESOLUTION

NetPrep Control Keys	(blank)
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COPY_EXISTING_FIELDS

LocationData Control Keys	Boolean
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COPY_LOCATION_FIELDS

LinkSum Control Keys	(blank)
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COST_VALUES_1

Path Building Service Keys	(blank)
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COUNT_PROBLEM_WARNINGS

Flow-Time Service Keys	Boolean
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CURVED_CONNECTION_FLAG

Draw Service Keys	Boolean
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DAILY_WRAP_FLAG

Data Service Keys	Boolean
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DATA_FORMAT_1

See File Formats

FileFormat Control Keys	FILE_FORMAT
LocationData Control Keys	FILE_FORMAT

DATA_JOIN_FIELD_1

LocationData Control Keys	(blank)
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DEBUG_LINK_LIST

Microsimulator Control Keys (blank)

DEBUG_TIME_RANGE

Microsimulator Control Keys	(blank)
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DEBUG_VEHICLE_LIST

Microsimulator Control Keys	(blank)
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DEFAULT_FILE_FORMAT

Default Control	FILE_FORMAT
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DEFAULT_LINK_SETBACK

TransimsNet Control Keys	(blank)
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DEFAULT_LOCATION_SETBACK

TransimsNet Control Keys	(blank)
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DEFAULT_PARKING_DURATION

Path Building Service Keys	(blank)
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DELETE_LINK_RANGE

NetPrep Control Keys	(blank)
TransimsNet Control Keys	(blank)

DELETE_NODE_RANGE

NetPrep Control Keys	(blank)
TransimsNet Control Keys	(blank)

DESTINATION_LOCATIONS_PER_ZONE

PathSkim Control Keys	(blank)
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DESTINATION_WEIGHT_FIELD_1

ConvertTrips Control Keys	(blank)
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DETECTOR_FORMAT

System File Keys	FILE_FORMAT
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DIRECTIONAL_DATA_FORMAT

LinkData Control Keys	(blank)
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DISTANCE_VALUES_1

Path Building Service Keys	(blank)
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DISTANCE_WEIGHT_FLAG_1

ConvertTrips Control Keys	Boolean
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DRAW_AB_DIRECTION

Draw Service Keys	Boolean
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DRAW_NETWORK_LANES

Draw Service Keys	Boolean
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DRAW_ONEWAY_ARROWS

Draw Service Keys	Boolean
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DRAW_VEHICLE_SHAPES

Draw Service Keys	Boolean
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DRIVER_REACTION_TIME_1

Flow-Time Service Keys (blank)

DROP_DEAD_END_LINKS

NetPrep Control Keys (blank)

DROP_SHORT_LINKS

NetPrep Control Keys (blank)

END_TIME_CONSTRAINT

Path Building Service Keys (blank)

ENFORCE_PARKING_LANES

Flow-Time Service Keys Boolean

EQUATION_PARAMETERS_1

Flow-Time Service Keys (blank)

EXTENDED_GREEN_FACTOR_1

IntControl Control Keys (blank)

EXTERNAL_STATION_OFFSET

TransimsNet Control Keys (blank)

EXTERNAL_ZONE_RANGE

TransimsNet Control Keys (blank)

FACILITY_ACCESS_WARRANT_1

TransimsNet Control Keys (blank)

FACILITY_BIAS_FACTORS_1

Path Building Service Keys (blank)

FACILITY_INDEX_FIELD

NetPrep Control Keys	(blank)
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FARE_CLASS_DISTRIBUTION

Path Building Service Keys	(blank)
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FILE_FORMATS

The file format keys include DEFAULT_FILE_FORMAT, NODE_FORMAT, ZONE_FORMAT, SHAPE_FORMAT, LINK_FORMAT, POCKET_FORMAT, LANE_USE_FORMAT, LOCATION_FORMAT, PARKING_FORMAT, ACCESS_FORMAT, CONNECTION_FORMAT, TURN_PENALTY_FORMAT, SIGN_FORMAT, SIGNAL_FORMAT, TIMING_PLAN_FORMAT, PHASING_PLAN_FORMAT, DETECTOR_FORMAT, TRANSIT_STOP_FORMAT, TRANSIT_ROUTE_FORMAT, TRANSIT_SCHEDULE_FORMAT, TRANSIT_DRIVER_FORMAT, ROUTE_NODES_FORMAT, VEHICLE_TYPE_FORMAT, HOUSEHOLD_FORMAT, SELECTION_FORMAT, TRIP_FORMAT, LINK_DELAY_FORMAT, VEHICLE_FORMAT, PLAN_FORMAT, NEW_PLAN_FORMAT, NEW_PROBLEM_FORMAT, NEW_LINK_DELAY_FORMAT.

These keys are optional. The default value is TAB_DELIMITED, and other values include TEXT, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, SQLITE3, VERSION3.

In the previous version of TRANSIMS (v4), the default value was VERSION3. It is now TAB_DELIMITED.

TRANSIMS applies file formats in the following order, using the first file format that is found:

1. If a .def file is provided, the format given in the first line of that file is used. Note that in cases where the file has nested fields (for example, the SHAPE file), a .def file must be provided. Otherwise it is optional.
2. If a specific file format was given in the control file (e.g. NODE_FORMAT CSV_DELIMITED), then the file format given in the control file is used.
3. If the DEFAULT_FILE_FORMAT is given in the control file, it is used.
4. If the DEFAULT_FILE_FORMAT is specified in the TRANSIMS config.txt file, it is used.
5. Otherwise, the default value of TAB_DELIMITED is assumed.

FIRST_HOUSEHOLD_NUMBER	ConvertTrips Control Keys	(blank)
FIRST_LINK_NUMBER	NetPrep Control Keys	(blank)
FIRST_NODE_NUMBER	NetPrep Control Keys	(blank)

FIRST_WAIT_VALUES_1	Path Building Service Keys	(blank)
FIX_VEHICLE_LOCATIONS	Flow-Time Service Keys	Boolean
FLATTEN_OUTPUT_FLAG	NewFormat Control Keys	Boolean
FLOW_UNITS	System File Keys	(blank)
FROM_NODE_FIELD_NAME	LinkData Control Keys	(blank)
GENERAL_GREEN_FACTOR_1	IntControl Control Keys	(blank)
HOUSEHOLD_FORMAT	System File Keys	FILE_FORMAT
IGNORE_ROUTING_PROBLEMS	Path Building Service Keys	Boolean
IGNORE_TIME_CONSTRAINTS	Path Building Service Keys	Boolean
IGNORE_VEHICLE_ID	Path Building Service Keys	Boolean
IMPEDANCE_SORT_METHOD	Path Building Service Keys	Boolean
INPUT_COORDINATE_ADJUSTMENT	Simulation Service Keys	(blank)
INPUT_COORDINATE_SYSTEM	Simulation Service Keys	(blank)
INPUT_LINK_FORMAT	NetPrep Control Keys	FILE_FORMAT
INPUT_NODE_FORMAT	NetPrep Control Keys	FILE_FORMAT
INPUT_SPDCAP_FORMAT	NetPrep Control Keys	(blank)
INPUT_UNITS_OF_MEASURE	NetPrep Control Keys	(blank)
INPUT_ZONE_FORMAT	NetPrep Control Keys	FILE_FORMAT
INTCONTROL_REPORT_1	IntControl Control Keys	(blank)
INTERNAL_ZONE_RANGE	NetPrep Control Keys	(blank)
KEEP_LINK_RANGE	NetPrep Control Keys	(blank)
KEEP_NODE_RANGE	NetPrep Control Keys	(blank)
KISS_RIDE_STOP_TYPES	Path Building Service Keys	(blank)
KISS_RIDE_TIME_FACTOR_1	Path Building Service Keys	(blank)
LANE_USE_FORMAT	System File Keys	FILE_FORMAT
LANE_WIDTH	Draw Service Keys	(blank)
LEFT_TURN_PENALTIES_1	Path Building Service Keys	(blank)
LIMIT_PARKING_ACCESS	Path Building Service Keys	Boolean
LINK_DELAY_FLOW_FACTOR	Flow-Time Service Keys	(blank)
LINK_DELAY_FORMAT	System File Keys	FILE_FORMAT
LINK_DELAY_UPDATE_RATE	Flow-Time Service Keys	(blank)
LINK_DIRECTION_OFFSET	Draw Service Keys	(blank)
LINK_FORMAT	System File Keys	FILE_FORMAT
LINK_USE_FLAG_TYPES_1	LocationData Control Keys	(blank)
LINKSUM_REPORT_1	LinkSum Control Keys	(blank)
LOCAL_ACCESS_DISTANCE	Path Building Service Keys	(blank)
LOCAL_FACILITY_TYPE	Path Building Service Keys	(blank)
LOCAL_IMPEDANCE_FACTOR	Path Building Service Keys	(blank)
LOCAL_SELECTION_SPACING_1	NetPrep Control Keys	(blank)
LOCAL_THRU_SEGMENT_LENGTHS_1	NetPrep Control Keys	(blank)
LOCATION_FORMAT	System File Keys	FILE_FORMAT
LOCATION_JOIN_FIELD_1	LocationData Control Keys	(blank)
LOCATION_SELECTION_METHOD	PathSkim Control Keys	(blank)
LOCATION_SIDE_OFFSET	Draw Service Keys	(blank)
LOCATIONDATA_REPORT_1	LocationData Control Keys	(blank)
LOOK_AHEAD_DISTANCE	Flow-Time Service Keys	(blank)
LOOK_AHEAD_LANE_FACTOR	Flow-Time Service Keys	(blank)
LOOK_AHEAD_TIME_FACTOR	Flow-Time Service Keys	(blank)

MACROSCOPIC_SUBAREAS	Flow-Time Service Keys	(blank)
MAX_ARRIVAL_TIME_VARIANCE	Flow-Time Service Keys	(blank)
MAX_BICYCLE_DISTANCES_1	Path Building Service Keys	(blank)
MAX_CIRCUITY_DISTANCE	Path Building Service Keys	(blank)
MAX_CIRCUITY_RATIO	Path Building Service Keys	(blank)
MAX_COMFORTABLE_SPEED_1	Flow-Time Service Keys	(blank)
MAX_DEPARTURE_TIME_VARIANCE	Flow-Time Service Keys	(blank)
MAX_KISS_RIDE_DROPOFF_WALK	Path Building Service Keys	(blank)
MAX_KISS_RIDE_PERCENTAGE_1	Path Building Service Keys	(blank)
MAX_LEGS_PER_PATH	Path Building Service Keys	(blank)
MAX_NUMBER_OF_PATHS_1	Path Building Service Keys	(blank)
MAX_NUMBER_OF_TRANSFERS_1	Path Building Service Keys	(blank)
MAX_PARK_RIDE_PERCENTAGE_1	Path Building Service Keys	(blank)
MAX_PROBLEM_COUNT	Default Control	(blank)
MAX_SUBZONE_DISTANCE_1	LocationData Control Keys	(blank)
MAX_TRAVEL_TIME_RATIO	LinkDelay Control Keys	(blank)
MAX_WAIT_TIMES_1	Path Building Service Keys	(blank)
MAX_WALK_DISTANCE	LocationData Control Keys	(blank)
MAX_WALK_DISTANCES_1	Path Building Service Keys	(blank)
MAX_WARNING_EXIT_FLAG		

MAX_WARNING_EXIT_FLAG

If the maximum number of warning messages is exceeded, this flag directs the program in what to do. If the flag is TRUE (the default), the program is terminated with an error message about the warning messages. If the flag is FALSE, the program continues execution, but no additional warning messages are sent to the screen or written to the printout file. The warning message counter continues to count the messages and reports the total at the end of the execution. Possible values include TRUE/FALSE, YES/NO, 1/0, T/F, Y/N, and the default is TRUE. (Default Control key)

MAX_WARNING_MESSAGES

When the program generates a warning message, a counter is incremented and the total number of warning messages is reported and a warning return coded (2) is set at the end of the execution. By default the program prints up to 100,000 warning messages to the print-out file. If more than 100,000 warning messages are sent, the program stops printing additional messages to the file or terminates the program with an error message based on the MAX_WARNING_EXIT_FLAG. This parameter enables the user to modify the default warning limit. Valid values are non-negative integers. (Default Control key)

MAXIMUM_BANDWIDTH_SIZE	Draw Service Keys	(blank)
MAXIMUM_CONNECTION_ANGLE	TransimsNet Control Keys	(blank)

MAXIMUM_COST_DIFFERENCE	Select Service Keys	(blank)
MAXIMUM_GREEN_FACTOR_1	IntControl Control Keys	(blank)
MAXIMUM_LANE_CAPACITY_1	IntControl Control Keys	(blank)
MAXIMUM_LENGTH_TO_XY_RATIO	NetPrep Control Keys	(blank)
MAXIMUM_LOADING_TIME	Flow-Time Service Keys	(blank)
MAXIMUM_PERCENT_SELECTED	Select Service Keys	(blank)
MAXIMUM_RIDERSHIP_SIZE	ArcPlan Control Keys	(blank)
MAXIMUM_SHAPE_ANGLE	ArcPlan Control Keys	(blank)
	NetPrep Control Keys	(blank)
MAXIMUM_SORT_SIZE	PlanPrep Control Keys	(blank)
	TripPrep Control Keys	(blank)
MAXIMUM_SPEED_DIFFERENCE	Flow-Time Service Keys	(blank)
MAXIMUM_SWAPPING_SPEED	Flow-Time Service Keys	(blank)
MAXIMUM_TIME_DIFFERENCE	Select Service Keys	(blank)
MAXIMUM_WAITING_TIME	Flow-Time Service Keys	(blank)
MERGE_LINK_DELAY_FORMAT	LinkDelay Control Keys	FILE_FORMAT
MERGE_PLAN_FILES	PlanCompare Control Keys	Boolean
MERGE_PLAN_FORMAT	PlanPrep Control Keys	FILE_FORMAT
MERGE_TIME_PERIODS	System File Keys	Boolean
MERGE_TRIP_FORMAT	TripPrep Control Keys	FILE_FORMAT
MERGE_WEIGHTING_FACTOR	LinkDelay Control Keys	(blank)
MESOSCOPIC_SUBAREAS	Flow-Time Service Keys	(blank)
MICROSCOPIC_SUBAREAS	Flow-Time Service Keys	(blank)
MICROSIMULATOR_REPORT_1	Microsimulator Control Keys	(blank)
MIN_CIRCUITY_DISTANCE	Path Building Service Keys	(blank)
MIN_WAIT_TIMES_1	Path Building Service Keys	(blank)
MINIMUM_BANDWIDTH_SIZE	Draw Service Keys	(blank)
MINIMUM_BANDWIDTH_VALUE	Draw Service Keys	(blank)
MINIMUM_COST_DIFFERENCE	Select Service Keys	(blank)
MINIMUM_LANE_CAPACITY_1	IntControl Control Keys	(blank)
MINIMUM_LINK_FLOW	LinkSum Control Keys	(blank)
MINIMUM_PHASE_TIME_1	IntControl Control Keys	(blank)
MINIMUM_RIDERSHIP_SIZE	ArcPlan Control Keys	(blank)
MINIMUM_RIDERSHIP_VALUE	ArcPlan Control Keys	(blank)
MINIMUM_SHAPE_LENGTH	ArcPlan Control Keys	(blank)
	NetPrep Control Keys	(blank)
MINIMUM_TIME_DIFFERENCE	Select Service Keys	(blank)
MINIMUM_ZONE_LOCATIONS	LocationData Control Keys	(blank)
MODEL_END_TIME	Default Control	(blank)

MODEL_END_TIME

The ending time-of-day for the model. If not specified, it is 24:00. Valid values are times greater than the MODEL_START_TIME. (Default Control key)

MODEL_START_TIME

The starting time-of-day for the model. If not specified, it is 0:00. Valid values are times greater than equal to 0 [seconds], 0.0 [hours], 0:00. (Default Control key)

NEAREST_NEIGHBOR_FACTOR	System File Keys	(blank)
NETPREP_REPORT_1	NetPrep Control Keys	(blank)
NEW_AB_SPEED_FIELD_NAME	LinkData Control Keys	(blank)
NEW_AB_VOLUME_FIELD_NAME	LinkData Control Keys	(blank)
NEW_ACCESS_FORMAT	System File Keys	FILE_FORMAT
NEW_BA_SPEED_FIELD_NAME	LinkData Control Keys	(blank)
NEW_BA_VOLUME_FIELD_NAME	LinkData Control Keys	(blank)
NEW_CONNECTION_FORMAT	System File Keys	FILE_FORMAT
NEW_DATA_FORMAT_1	FileFormat Control Keys	FILE_FORMAT
NEW_DETECTOR_FORMAT	System File Keys	FILE_FORMAT
NEW_DIRECTIONAL_DATA_FORMAT	LinkData Control Keys	FILE_FORMAT
NEW_EVENT_COORDINATES_1	Turn Volume Output Keys	(blank)
NEW_EVENT_FILTER_1	Turn Volume Output Keys	(blank)
NEW_EVENT_FORMAT_1	Turn Volume Output Keys	FILE_FORMAT
NEW_EVENT_LINK_RANGE_1	Turn Volume Output Keys	(blank)
NEW_EVENT_MODE_RANGE_1	Turn Volume Output Keys	(blank)
NEW_EVENT_SUBAREA_RANGE_1	Turn Volume Output Keys	(blank)
NEW_EVENT_TIME_FORMAT_1	Turn Volume Output Keys	(blank)
NEW_EVENT_TIME_RANGE_1	Turn Volume Output Keys	(blank)
NEW_EVENT_TYPE_RANGE_1	Turn Volume Output Keys	(blank)
NEW_GROUP_TRAVEL_FORMAT	LinkSum Control Keys	FILE_FORMAT
NEW_HOUSEHOLD_FORMAT	System File Keys	FILE_FORMAT
NEW_LANE_USE_FORMAT	System File Keys	FILE_FORMAT
NEW_LINK_ACTIVITY_FORMAT	LinkSum Control Keys	FILE_FORMAT
NEW_LINK_DATA_FIELD_1	LinkSum Control Keys	(blank)
NEW_LINK_DATA_FORMAT	LinkData Control Keys	FILE_FORMAT
NEW_LINK_DATA_FORMAT_1	LinkSum Control Keys	FILE_FORMAT
NEW_LINK_DELAY_COORDINATES_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_FLOW_TYPE_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_FORMAT	System File Keys	FILE_FORMAT
NEW_LINK_DELAY_FORMAT_1	Link Delay Output Keys	FILE_FORMAT
NEW_LINK_DELAY_INCREMENT_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_LINK_RANGE_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_SUBAREA_RANGE_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_TIME_FORMAT_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_TIME_RANGE_1	Link Delay Output Keys	(blank)
NEW_LINK_DELAY_TURN_FLAG_1	Link Delay Output Keys	Boolean
NEW_LINK_DELAY_VEH_TYPES_1	Link Delay Output Keys	(blank)
NEW_LINK_DIRECTION_FIELD_1	LinkSum Control Keys	(blank)
NEW_LINK_DIRECTION_FORMAT_1	LinkSum Control Keys	FILE_FORMAT

NEW_LINK_DIRECTION_INDEX_1	LinkSum Control Keys	(blank)
NEW_LINK_FORMAT	System File Keys	FILE_FORMAT
NEW_LINK_SUMMARY_FORMAT	ArcSnapshot Control Keys	FILE_FORMAT
NEW_LOCATION_FIELD_1	LocationData Control Keys	(blank)
NEW_LOCATION_FORMAT	System File Keys	FILE_FORMAT
NEW_NODE_FORMAT	System File Keys	FILE_FORMAT
NEW_OCCUPANCY_COORDINATES_1	Turn Volume Output Keys	(blank)
NEW_OCCUPANCY_FORMAT_1	Turn Volume Output Keys	FILE_FORMAT
NEW_OCCUPANCY_INCREMENT_1	Turn Volume Output Keys	(blank)
NEW_OCCUPANCY_LINK_RANGE_1	Turn Volume Output Keys	(blank)
NEW_OCCUPANCY_MAX_FLAG_1	Turn Volume Output Keys	Boolean
NEW_OCCUPANCY_SUBAREA_RANGE_1	Turn Volume Output Keys	(blank)
NEW_OCCUPANCY_TIME_FORMAT_1	Turn Volume Output Keys	(blank)
NEW_OCCUPANCY_TIME_RANGE_1	Turn Volume Output Keys	(blank)
NEW_PARKING_FORMAT	System File Keys	FILE_FORMAT
NEW_PERFORMANCE_COORDINATES_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_DATA_FORMAT	LinkSum Control Keys	FILE_FORMAT
NEW_PERFORMANCE_FLOW_TYPE_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_FORMAT	System File Keys	FILE_FORMAT
NEW_PERFORMANCE_FORMAT_1	Performance Output Keys	FILE_FORMAT
NEW_PERFORMANCE_INCREMENT_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_LINK_RANGE_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_SUBAREA_RANGE_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_TIME_FORMAT_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_TIME_RANGE_1	Performance Output Keys	(blank)
NEW_PERFORMANCE_TURN_FLAG_1	Performance Output Keys	Boolean
NEW_PERFORMANCE_VEH_TYPES_1	Performance Output Keys	(blank)
NEW_PHASING_PLAN_FORMAT	System File Keys	FILE_FORMAT
NEW_PLAN_FORMAT	System File Keys	FILE_FORMAT
NEW_POCKET_FORMAT	System File Keys	FILE_FORMAT
NEW_PROBLEM_FORMAT	System File Keys	FILE_FORMAT
NEW_RIDERSHIP_ALL_STOPS_1	Ridership Output Keys	Boolean
NEW_RIDERSHIP_FORMAT	System File Keys	FILE_FORMAT
NEW_RIDERSHIP_FORMAT_1	Ridership Output Keys	FILE_FORMAT
NEW_RIDERSHIP_ROUTE_RANGE_1	Ridership Output Keys	(blank)
NEW_RIDERSHIP_TIME_FORMAT_1	Ridership Output Keys	(blank)
NEW_RIDERSHIP_TIME_RANGE_1	Ridership Output Keys	(blank)
NEW_ROUTE_NODES_FORMAT	System File Keys	FILE_FORMAT
NEW_SELECTION_FORMAT	System File Keys	FILE_FORMAT
NEW_SHAPE_FORMAT	System File Keys	FILE_FORMAT
NEW_SIGN_FORMAT	System File Keys	FILE_FORMAT
NEW_SIGNAL_FORMAT	System File Keys	FILE_FORMAT
NEW_SKIM_FORMAT	System File Keys	FILE_FORMAT
NEW_SNAPSHOT_CELL_FLAG_1	Simulation Service Keys	Boolean
NEW_SNAPSHOT_COMPRESSION	NewFormat Control Keys	Boolean
NEW_SNAPSHOT_COMPRESSION_1	Simulation Service Keys	Boolean
NEW_SNAPSHOT_COORDINATES_1	Simulation Service Keys	(blank)
NEW_SNAPSHOT_FORMAT	ArcSnapshot Control Keys	FILE_FORMAT

NEW_SNAPSHOT_FORMAT_1	NewFormat Control Keys	FILE_FORMAT
NEW_SNAPSHOT_INCREMENT_1	Simulation Service Keys	FILE_FORMAT
NEW_SNAPSHOT_LINK_RANGE_1	Simulation Service Keys	(blank)
NEW_SNAPSHOT_LOCATION_FLAG_1	Simulation Service Keys	(blank)
NEW_SNAPSHOT_MAX_SIZE_1	Simulation Service Keys	Boolean
NEW_SNAPSHOT_STATUS_FLAG_1	Simulation Service Keys	(blank)
NEW_SNAPSHOT_SUBAREA_RANGE_1	Simulation Service Keys	Boolean
NEW_SNAPSHOT_TIME_FORMAT_1	Simulation Service Keys	(blank)
NEW_SNAPSHOT_TIME_RANGE_1	Simulation Service Keys	(blank)
NEW_SUBZONE_FIELD_1	Simulation Service Keys	(blank)
NEW_TIMING_PLAN_FORMAT	LocationData Control Keys	(blank)
NEW_TRANSIT_DRIVER_FORMAT	System File Keys	FILE_FORMAT
NEW_TRANSIT_FARE_FORMAT	System File Keys	FILE_FORMAT
NEW_TRANSIT_ROUTE_FORMAT	System File Keys	FILE_FORMAT
NEW_TRANSIT_SCHEDULE_FORMAT	System File Keys	FILE_FORMAT
NEW_TRANSIT_STOP_FORMAT	System File Keys	FILE_FORMAT
NEW_TRIP_FORMAT	System File Keys	FILE_FORMAT
NEW_TURN_PENALTY_FORMAT	System File Keys	FILE_FORMAT
NEW_TURN_VOLUME_FILTER_1	System File Keys	FILE_FORMAT
NEW_TURN_VOLUME_FORMAT	Turn Volume Output Keys	(blank)
NEW_TURN_VOLUME_FORMAT_1	LinkSum Control Keys	FILE_FORMAT
NEW_TURN_VOLUME_INCREMENT_1	Turn Volume Output Keys	FILE_FORMAT
NEW_TURN_VOLUME_NODE_RANGE_1	Turn Volume Output Keys	(blank)
NEW_TURN_VOLUME_SUBAREA_RANGE_1	Turn Volume Output Keys	(blank)
NEW_TURN_VOLUME_TIME_FORMAT_1	Turn Volume Output Keys	(blank)
NEW_TURN_VOLUME_TIME_RANGE_1	Turn Volume Output Keys	(blank)
NEW_USE_FLAG_FIELD_1	Turn Volume Output Keys	(blank)
NEW_VEHICLE_FORMAT	LocationData Control Keys	(blank)
NEW_VEHICLE_TYPE_FORMAT	System File Keys	FILE_FORMAT
NEW_WALK_ACCESS_FIELD	System File Keys	FILE_FORMAT
NEW_ZONE_FORMAT	LocationData Control Keys	(blank)
NEW_ZONE_TRAVEL_FORMAT	System File Keys	FILE_FORMAT
NODE_FORMAT	LinkSum Control Keys	FILE_FORMAT
NODE_LIST_PATHS	System File Keys	FILE_FORMAT
NOTES_AND_NAME_FIELDS	NewFormat Control Keys	Boolean
NUMBER_OF_ITERATIONS	System File Keys	Boolean
NUMBER_OF_PARTITIONS	Simulation Service Keys	(blank)
NUMBER_OF_RINGS_1	RandomSelect Control Keys	(blank)
	IntControl Control Keys	(blank)

NUMBER_OF_THREADS

In a multi-threaded environment, this is the number of threads that are run. Valid values are integers between 1 and 12, and the default value is 1. (Default Control key)

OCCUPANCY_FORMAT	ArcSnapshot Control Keys	FILE_FORMAT
ONEWAY_ARROW_LENGTH	Draw Service Keys	(blank)
ONEWAY_ARROW_SIDE_OFFSET	Draw Service Keys	(blank)
ORIGIN_LOCATIONS_PER_ZONE	PathSkim Control Keys	(blank)
ORIGIN_WEIGHT_FIELD_1	ConvertTrips Control Keys	(blank)
OUTPUT_COORDINATE_ADJUSTMENT	Simulation Service Keys	(blank)
OUTPUT_COORDINATE_SYSTEM	Simulation Service Keys	(blank)
OUTPUT_XYM_SHAPES	Simulation Service Keys	Boolean
OUTPUT_XYZ_SHAPES	Simulation Service Keys	Boolean
PAD_FILE_TIME_LABEL	ArcSnapshot Control Keys	Boolean
PARKING_DETAILS_WARRANT_1	TransimsNet Control Keys	(blank)
PARKING_FORMAT	System File Keys	FILE_FORMAT
PARKING_SIDE_OFFSET	Draw Service Keys	(blank)
PARKING_TIME_VALUES_1	Path Building Service Keys	(blank)
PATHSKIM_REPORT_1	PathSkim Control Keys	(blank)
PERCENT_COST_DIFFERENCE	Select Service Keys	(blank)
PERCENT_MOVED_BACKWARD	Simulation Service Keys	(blank)
PERCENT_MOVED_FORWARD	Simulation Service Keys	(blank)
PERCENT_RANDOM_IMPEDANCE	Path Building Service Keys	(blank)
PERCENT_TIME_DIFFERENCE	Select Service Keys	(blank)
PERFORMANCE_FORMAT	System File Keys	FILE_FORMAT
PERIOD_CONTROL_POINT	Data Service Keys	(blank)
PERMISSION_PROBABILITY_1	Flow-Time Service Keys	(blank)
PERMITTED_LEFT_FACTOR_1	IntControl Control Keys	(blank)
PHASING_PLAN_FORMAT	System File Keys	FILE_FORMAT
PLAN_FOLLOWING_DISTANCE	Flow-Time Service Keys	(blank)
PLAN_FORMAT	System File Keys	FILE_FORMAT
PLAN_SORT_TYPE	Data Service Keys	(blank)
PLANCOMPARE_REPORT_1	PlanCompare Control Keys	(blank)
PLANSUM_REPORT_1	PlanSum Control Keys	(blank)
POCKET_FORMAT	System File Keys	FILE_FORMAT
POCKET_LANE_FACTOR_1	IntControl Control Keys	(blank)
POCKET_LANE_WARRANT_1	TransimsNet Control Keys	(blank)
POCKET_SIDE_OFFSET	Draw Service Keys	(blank)
PRINT_MERGE_WARNINGS	IntControl Control Keys	Boolean
PRINT_PROBLEM_MESSAGES	Flow-Time Service Keys	Boolean
PRINT_SIGN_WARNINGS	IntControl Control Keys	Boolean
PRINT_UPDATE_WARNINGS	Router Control Keys	Boolean
PRIORITY_LOADING_TIME	Flow-Time Service Keys	(blank)
PRIORITY_WAITING_TIME	Flow-Time Service Keys	(blank)
PROBLEM_FORMAT	System File Keys	FILE_FORMAT
PROCESSING_METHOD	LinkDelay Control Keys	(blank)
PROJECT_DIRECTORY	Default Control	(blank)

PROJECT_DIRECTORY

The project directory key is optional. If it is specified, it is added to all non-network file names required by the program. If it is not specified, then the PROJECT_DIRECTORY that was specified in the config.txt file used. (Default Control key)

RAIL_BIAS_CONSTANTS_1	Path Building Service Keys	(blank)
RAIL_BIAS_FACTORS_1	Path Building Service Keys	(blank)

RANDOM_NUMBER_SEED

The random number seed key is optional. This key specifies the random number seed to be used for the random impedance calculations. Any non-negative integer can be specified. If the value is zero or if no key is provided, the program uses the system clock to set the random number seed. (Default Control key)

RED_CLEAR_PHASE_TIME_1	IntControl Control Keys	(blank)
RELOAD_CAPACITY_PROBLEMS	Flow-Time Service Keys	Boolean
REPORT_FILE	Default Control	(blank)

REPORT_FLAG

The report flag key is optional. If it is specified as YES or TRUE, the report file or default printout file will be opened in “Append” mode rather than “Create” mode. This permits the user to consolidate the output of several programs into a signal report file. Possible values are TRUE/FALSE, YES/NO, 1/0, T/F, Y/N, and the default is FALSE. (Default Control key)

REROUTE_FROM_TIME_POINT	Router Control Keys	(blank)
RETURN_TRIP_FLAG_1	ConvertTrips Control Keys	Boolean
RIDERSHIP_FORMAT	System File Keys	FILE_FORMAT
RIDERSHIP_SCALING_FACTOR	ArcPlan Control Keys	(blank)
RIGHT_TURN_PENALTIES_1	Path Building Service Keys	(blank)
ROUTE_AT_SPECIFIED_TIMES	PathSkim Control Keys	(blank)
ROUTE_BY_TIME_INCREMENT	PathSkim Control Keys	(blank)
ROUTE_FROM_SPECIFIED_LOCATIONS	PathSkim Control Keys	(blank)
ROUTE_FROM_SPECIFIED_ZONES	PathSkim Control Keys	(blank)
ROUTE_NODES_FORMAT	System File Keys	FILE_FORMAT
ROUTE_TO_SPECIFIED_LOCATIONS	PathSkim Control Keys	(blank)
ROUTE_TO_SPECIFIED_ZONES	PathSkim Control Keys	(blank)
ROUTE_WITH_SPECIFIED_MODE	PathSkim Control Keys	(blank)

ROUTE_WITH_SPECIFIED_USE_TYPE	PathSkim Control Keys	(blank)
ROUTE_WITH_TIME_CONSTRAINT	PathSkim Control Keys	(blank)
ROUTER_REPORT_1	Router Control Keys	(blank)
SAVE_ONLY_SKIMS	Path Building Service Keys	Boolean
SELECT_BY_LINK_GROUP	LinkSum Control Keys	Boolean
SELECT_DESTINATION_ZONES	Select Service Keys	(blank)
SELECT_DESTINATIONS	Select Service Keys	(blank)
SELECT_END_TIMES	Select Service Keys	(blank)
SELECT_FACILITY_TYPES	Select Service Keys	(blank)
SELECT_HOUSEHOLDS	Select Service Keys	(blank)
SELECT_LINKS_1	Select Service Keys	(blank)
SELECT_MODES	Select Service Keys	(blank)
SELECT_NODES_1	Select Service Keys	(blank)
SELECT_ORIGIN_ZONES	Select Service Keys	(blank)
SELECT_ORIGINS	Select Service Keys	(blank)
SELECT_PARKING_LOTS	PlanSelect Control Keys	(blank)
SELECT_PROBLEM_TYPES	Select Service Keys	(blank)
SELECT_PURPOSES	Select Service Keys	(blank)
SELECT_START_TIMES	Select Service Keys	(blank)
SELECT_TIME	ArcNet Control Keys	(blank)
SELECT_TIME_RATIOS	PlanSelect Control Keys	(blank)
SELECT_TRAVELER_TYPES	Select Service Keys	(blank)
SELECT_VC_RATIOS	PlanSelect Control Keys	(blank)
SELECT_VEHICLE_TYPES	Select Service Keys	(blank)
SELECTION_FORMAT	System File Keys	FILE_FORMAT
SELECTION_METHOD	PlanCompare Control Keys	(blank)
SELECTION_PERCENTAGE	Select Service Keys	(blank)
SHAPE_FORMAT	System File Keys	FILE_FORMAT
SHARED_LANE_FACTOR_1	IntControl Control Keys	(blank)
SIGN_FORMAT	System File Keys	FILE_FORMAT
SIGN_SETBACK	Draw Service Keys	(blank)
SIGN_SIDE_OFFSET	Draw Service Keys	(blank)
SIGNAL_CYCLE_LENGTH_1	IntControl Control Keys	(blank)
SIGNAL_DETECTOR_LENGTH_1	IntControl Control Keys	(blank)
SIGNAL_FORMAT	System File Keys	FILE_FORMAT
SIGNAL_ID_AS_NODE_ID	TransimsNet Control Keys	Boolean
SIGNAL_SPLIT_METHOD_1	IntControl Control Keys	(blank)
SIGNAL_TIME_BREAKS_1	IntControl Control Keys	(blank)
SIGNAL_TYPE_CODE_1	IntControl Control Keys	(blank)
SIMULATION_END_TIME	Flow-Time Service Keys	(blank)
SIMULATION_START_TIME	Flow-Time Service Keys	(blank)
SKIM_FORMAT	System File Keys	FILE_FORMAT
SKIM_OD_UNITS	System File Keys	(blank)
SKIM_TIME_INCREMENT	System File Keys	(blank)
SKIM_TIME_PERIODS	System File Keys	(blank)
SKIM_TOTAL_TIME_FLAG	System File Keys	Boolean
SKIM_TRAVEL_TIME_FORMAT	System File Keys	(blank)
SKIM_TRIP_LENGTH_FORMAT	System File Keys	(blank)

SLOW_DOWN_PERCENTAGE_1	Flow-Time Service Keys	(blank)
SLOW_DOWN_PROBABILITY_1	Flow-Time Service Keys	(blank)
SMOOTH_GROUP_SIZE	Simulation Service Keys	(blank)
SNAPSHOT_FORMAT	ArcSnapshot Control Keys	FILE_FORMAT
SPEED_DATA_FIELD_NAME	LinkData Control Keys	(blank)
SPEED_FACTOR_BY_FACILITY	NetPrep Control Keys	(blank)
SPEED_ROUNDING_INCREMENT	NetPrep Control Keys	(blank)
SPLIT_LARGE_LOOPS	NetPrep Control Keys	(blank)
STATION_WAITING_PENALTIES_1	Path Building Service Keys	(blank)
STOP_WAITING_PENALTIES_1	Path Building Service Keys	(blank)
STREET_PARKING_WARRANT_1	TransimsNet Control Keys	(blank)
SUBZONE_DATA_FIELD_1	LocationData Control Keys	(blank)
SUBZONE_DATA_FORMAT_1	LocationData Control Keys	FILE_FORMAT
SUBZONE_ZONE_FIELD_1	LocationData Control Keys	(blank)
SUMMARY_TIME_INCREMENT	Data Service Keys	(blank)
SUMMARY_TIME_RANGES	Data Service Keys	(blank)
TIME_DISTRIBUTION_FIELD_1	ConvertTrips Control Keys	(blank)
TIME_DISTRIBUTION_FORMAT_1	ConvertTrips Control Keys	FILE_FORMAT
TIME_DISTRIBUTION_TYPE_1	ConvertTrips Control Keys	(blank)

TIME_OF_DAY_FORMAT

The time of day format key is optional. Possible values include SECONDS, MINUTES, HOURS, HOUR_CLOCK, DAY_TIME, TIME_CODE, and the default is DAY_TIME.

Examples of each format are as follows:

DAY_TIME: 1@09:39:24.3
SECONDS: 34764.3
MINUTES: 579.4
HOURS: 9.66
HOUR_CLOCK: 09:39
TIME_CODE: ?

Internally, the DTIME data object is used, with a resolution of tenths of a second. In binary files, this is stored as a 2 or 4 byte integer, in text files, as a character string with approximately 12 characters. (Default Control key)

TIME_PERIOD_RANGE_1	ConvertTrips Control Keys	(blank)
TIME_PROCESSING_METHOD	ArcSnapshot Control Keys	(blank)
TIME_SCHEDULE_CONSTRAINT_1	ConvertTrips Control Keys	(blank)
TIME_STEPS_PER_SECOND	Flow-Time Service Keys	(blank)
TIMING_PLAN_FORMAT	System File Keys	FILE_FORMAT

TITLE

Any text string can be used on this line. This text is printed on the top of each output page. (Default Control key)

TO_NODE_FIELD_NAME	LinkData Control Keys	(blank)
TRAFFIC_CONTROL_WARRANT_1	TransimsNet Control Keys	(blank)
TRANSFER_PENALTIES_1	Path Building Service Keys	(blank)
TRANSFER_WAIT_VALUES_1	Path Building Service Keys	(blank)
TRANSIMSNET_REPORT_1	TransimsNet Control Keys	(blank)
TRANSIT_DIRECTION_OFFSET	Draw Service Keys	(blank)
TRANSIT_DRIVER_FORMAT	System File Keys	FILE_FORMAT
TRANSIT_FARE_FORMAT	System File Keys	FILE_FORMAT
TRANSIT_OVERLAP_FLAG	Draw Service Keys	Boolean
TRANSIT_ROUTE_FORMAT	System File Keys	FILE_FORMAT
TRANSIT_SCHEDULE_FORMAT	System File Keys	FILE_FORMAT
TRANSIT_STOP_FORMAT	System File Keys	FILE_FORMAT
TRANSIT_STOP_SIDE_OFFSET	Draw Service Keys	(blank)
TRANSIT_TIME_PERIODS	ArcNet Control Keys	(blank)
TRAVEL_MODE_CODE_1	ConvertTrips Control Keys	(blank)
TRAVELER_SCALING_FACTOR	NewFormat Control Keys	(blank)
TRAVELER_TYPE_CODE_1	ConvertTrips Control Keys	(blank)
TRAVELER_TYPE_FACTORS_1	Flow-Time Service Keys	(blank)
TRIP_FACTOR_FORMAT_1	ConvertTrips Control Keys	FILE_FORMAT
TRIP_FORMAT	System File Keys	FILE_FORMAT
TRIP_PRIORITY_CODE_1	ConvertTrips Control Keys	(blank)
TRIP_PURPOSE_CODE_1	ConvertTrips Control Keys	(blank)
TRIP_SCALING_FACTOR_1	ConvertTrips Control Keys	(blank)
TRIP_SORT_TYPE	Data Service Keys	(blank)
TRIP_TABLE_FORMAT_1	ConvertTrips Control Keys	FILE_FORMAT
TRIPPREP_REPORT_1	TripPrep Control Keys	(blank)
TURN_MOVEMENT_FACTOR_1	IntControl Control Keys	(blank)
TURN_NODE_RANGE	LinkSum Control Keys	(blank)
TURN_PENALTY_FORMAT	System File Keys	FILE_FORMAT
TURN_POCKET_FACTOR	Flow-Time Service Keys	(blank)
U_TURN_PENALTIES_1	Path Building Service Keys	(blank)

UNITS_OF_MEASURE

Specifies the units of measure used in output files and printouts. Values are ENGLISH or METRIC, with a default of METRIC. With ENGLISH units, the distance measure is in feet, while with METRIC units, it is in meters. (Default Control key)

UNSIMULATED_SUBAREAS	Flow-Time Service Keys	(blank)
UPDATE_FLOW_RATES	Flow-Time Service Keys	Boolean
UPDATE_LINK_RANGE	TransimsNet Control Keys	(blank)
UPDATE_NODE_RANGE	TransimsNet Control Keys	(blank)
UPDATE_PLAN_RECORDS	Router Control Keys	Boolean
UPDATE_TRAVEL_TIMES	Flow-Time Service Keys	Boolean
UPDATE_TRAVELER_TYPE	TripPrep Control Keys	Boolean
UPDATE_TRIP_PARTITIONS	TripPrep Control Keys	Boolean
UPDATE_TURNING_MOVEMENTS	Flow-Time Service Keys	Boolean
VEHICLE_FORMAT	System File Keys	FILE_FORMAT
VEHICLE_PASSENGERS_1	ConvertTrips Control Keys	(blank)
VEHICLE_TIME_VALUES_1	Path Building Service Keys	(blank)
VEHICLE_TYPE_CODE_1	ConvertTrips Control Keys	(blank)
VEHICLE_TYPE_FORMAT	System File Keys	FILE_FORMAT
VERSION4_PLAN_FORMAT	NewFormat Control Keys	(blank)
VERSION4_TIME_FORMAT	NewFormat Control Keys	(blank)
VOLUME_DATA_FIELD_NAME	LinkData Control Keys	(blank)
WALK_ACCESS_TIME_RANGE	LocationData Control Keys	(blank)
WALK_PATH_DETAILS	Path Building Service Keys	Boolean
WALK_SPEED	Path Building Service Keys	(blank)
WALK_TIME_VALUES_1	Path Building Service Keys	(blank)
YELLOW_PHASE_TIME_1	IntControl Control Keys	(blank)
ZONE_FIELD_NAME	LocationData Control Keys	(blank)
ZONE_FORMAT	TransimsNet Control Keys	(blank)
ZONE_UPDATE_RANGE	System File Keys	FILE_FORMAT
	LocationData Control Keys	(blank)