PlanSelect Quick Reference

Version 4.0.31

Revision History
1/8/2010 Edited by AECOM Consult, Inc.
4/15/2010 Edited by RSG, Inc.

Syntax:

PlanSelect [-flag] [control_file] [partition]

Purpose:

1. Create a set of household ID files that can be used as input to the Router;
2. Select plans based on traveler ID, time of day, activity location, parking lot, transit stop, transit route, V/C ratio, travel time ratio, coordinates, vehicle types, subarea polygon, and path node sequence; and
3. Use link delay information to select plans where the plan duration and the current travel time for the plan path are significantly different.

Required Keys

PLAN_FILE	[project_directory]*filename*[.partition]
NEW_HOUSEHOLD_LIST	[project_directory]*filename*[.partition]

Optional Keys

TITLE	Text
REPORT_FILE	*Filename*
REPORT_FLAG	FALSE {true/false/yes/no/1/0}
MAX_WARNING_MESSAGES	100,000
MAX_WARNING_EXIT_FLAG	TRUE {true/false/yes/no/1/0}
PROJECT_DIRECTORY	*Pathname*
DEFAULT_FILE_FORMAT	VERSION3 {(4)}
TRAVELER_SCALING_FACTOR	100 {2..100}
PLAN_FORMAT	VERSION3 {VERSION3/BINARY}
NODE_LIST_PATHS	TRUE {true/false/yes/no/1/0}
NET_DIRECTORY	*Pathname*
NET_NODE_TABLE	[net_directory]*filename*
NET_LINK_TABLE	[net_directory]*filename*
NET_PARKING_TABLE	[net_directory]*filename*
NET_LANE_USE_TABLE	[net_directory]*filename*
NET_LANE_CONNECTIVITY_TABLE	[net_directory]*filename*
POPULATION_FILE	[project_directory]*filename* (1)
LINK_DELAY_FILE	[project_directory]*filename*

VEHICLE_FILE	[project_directory]*filename*
SELECT_TRAVELERS	All (2)
SELECT_NODES_#	All (2)
SELECT_LINKS_#	All (2)
SELECT_TIME_PERIODS	All (3)
SELECT_LOCATIONS	All (2)
SELECT_TRAVEL_MODES	All (6)
SELECT_FACILITY_TYPES	All {list of type strings (7)}
SELECT_PARKING_LOTS	All (2)
SELECT_TRANSIT_MODES	All (6)
SELECT_TRANSIT_STOPS	All (2)
SELECT_TRANSIT_ROUTES	All (2)
SELECT_VC_RATIOS	All {>= 1.0}
SELECT_TIME_RATIOS	All {>= 1.0}
SELECT_COORDINATES	x1, y1, x2, y2 (5)
SELECT_COORDINATES_#	x1, y1, x2, y2 (5)
SELECT_OD_COORDINATES	x1, y1, x2, y2 (5)
SELECT_OD_COORDINATES_#	x1, y1, x2, y2 (5)
EXCLUDE_OD_COORDINATES	x1, y1, x2, y2 (5)
EXCLUDE_OD_COORDINATES_#	x1, y1, x2, y2 (5)
SELECT_SUBAREA_POLYGON	[project_directory]*filename.shp*
SELECT_VEHICLE_TYPES	All
PERCENT_TIME_DIFFERENCE	10 percent {0.1..100.0}
MINIMUM_TIME_DIFFERENCE	1 minute {0..120}
MAXIMUM_TIME_DIFFERENCE	60 minutes {[minimum_time_difference]..1440)
SELECTION_PERCENTAGE	100 percent {0.1..100.0}
MAXIMUM_PERCENT_SELECTED	100 percent {1.0..100.0}
RANDOM_NUMBER_SEED	Computer clock time {>=0}
NET_DEFAULT_FORMAT	[default_file_format] {(4)}
NET_NODE_FORMAT	[net_default_format] {(4)}
NET_LINK_FORMAT	[net_default_format] {(4)}
NET_PARKING_FORMAT	[net_default_format] {(4)}
NET_LANE_USE_FORMAT	[net_default_format] {(4)}
DEMAND_FILE_FORMAT	[default_file_format] {(4)}
LINK_DELAY_FORMAT	[demand_file_format] {(4)}
NEW_HOUSEHOLD_RECORD_FILE	[default_file_format]*filename* (8)
NEW_HOUSEHOLD_RECORD_FORMAT	VERSION3 {(4)}

Reports

PLANSELECT_REPORT_#	SUBAREA_INTERNAL_EXTERNAL

Notes

1	This is a Version 3.x Population file for legacy traveler ID processing.
2	ID Range (e.g., 1000, 2000, 3000..3100)
3	Time Range (e.g., 0:00..6:00, 18:00..23:00)
4	{VERSION3, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL, SQLITE3}
5	UTM node coordinate range = selection rectangle based on path nodes or trip ends. If more than one coordinate selection box is defined, the plan is selected if it is contains with any of the boxes.
6	0 = drive, 1 = transit, 2 = walk, 3 = bike, 4 = activity, 5 = other, 6 = magic move, 7 = carpool, 8 = transit driver
7	{FREEWAY, EXPRESSWAY, PRINCIPAL, MAJOR, MINOR, COLLECTOR, LOCAL, FRONTAGE, RAMP, BRIDGE, EXTERNAL, XPRESSWAY, PRIARTER, SECARTER, ZONECONN, OTHER, WALKWAY, BIKEWAY, BUSWAY, LIGHTRAIL, HEAVYRAIL, FERRY}
8	An alternate output to the household list. This option selects records based on unique household, person and trip combinations.