

PlanSelect - Quick Reference

Version 5.0.9



Usage

PlanSelect [-flag] [control_file] [partition]

Optional Flags:

- Q[uiet] = execute without screen messages
- H[elp] = show program syntax and control keys
- C[ontrol] = create/update a default control file
- K[eyCheck] = list unrecognized control file keys
- P[ause] = pause before exiting
- N[oPause] = never pause before exiting
- D[etail] = execute with detailed status messages
- X[ML] = write an XML file with control keys

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.

Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
TITLE	Text		
REPORT_FILE	File		filename[_partition][.prn]
REPORT_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
PROJECT_DIRECTORY	Path		
MODEL_START_TIME	Time	0:00	>= 0 [seconds], 0.0 [hours], 0:00
MODEL_END_TIME	Time	24:00	> [model_start_time]
UNITS_OF_MEASURE	Text	METRIC	METRIC, ENGLISH
RANDOM_NUMBER_SEED	Int.	0	0 = computer clock, > 0 = fixed
MAX_WARNING_MESSAGES	Int.	100000	>= 0
MAX_WARNING_EXIT_FLAG	Bool	TRUE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
MAX_PROBLEM_COUNT	Int.	0	>= 0

Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
NUMBER_OF_THREADS	Int.	1	1..24

System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
<input checked="" type="checkbox"/> PLAN_FILE	File		[project_directory]filename.*
<input checked="" type="checkbox"/> NEW_SELECTION_FILE	File		[project_directory]filename.*
NODE_FILE	File		[project_directory]filename
LINK_FILE	File		[project_directory]filename
LANE_USE_FILE	File		[project_directory]filename
CONNECTION_FILE	File		[project_directory]filename
LOCATION_FILE	File		[project_directory]filename
LINK_DELAY_FILE	File		[project_directory]filename
VEHICLE_TYPE_FILE	File		[project_directory]filename
NEW_PLAN_FILE	File		[project_directory]filename.*

Data Service Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
DAILY_WRAP_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
SUMMARY_TIME_RANGES	Text	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SUMMARY_TIME_INCREMENT	Time	15 minutes	0, 2..240 minutes

Select Service Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECT_HOUSEHOLDS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_MODES	List	ALL	e.g., ALL or 1, 12..14 or WALK, HOV2..HOV4
SELECT_PURPOSES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_START_TIMES	List	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00

Select Service Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECT_END_TIMES	List	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SELECT_ORIGINS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_DESTINATIONS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_TRAVELER_TYPES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_FACILITY_TYPES	List	ALL	FREEWAY..EXTERNAL
SELECT_LINKS_*	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_NODES_*	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_SUBAREA_POLYGON	File		[project_directory]filename
SELECT_ORIGIN_ZONES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_DESTINATION_ZONES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
PERCENT_TIME_DIFFERENCE	Dec.	0.0 percent	0.0..100.0 percent
MINIMUM_TIME_DIFFERENCE	Time	1 minutes	0..120 minutes
MAXIMUM_TIME_DIFFERENCE	Time	60 minutes	0..1440 minutes
SELECTION_PERCENTAGE	Dec.	100.0 percent	0.01..100.0 percent
MAXIMUM_PERCENT_SELECTED	Dec.	100.0 percent	0.1..100.0 percent
DELETION_FILE	File		[project_directory]filename
DELETE_HOUSEHOLDS	List	NONE	e.g., 1, 2, 4..10, 100..200, 300
DELETE_MODES	List	NONE	e.g., ALL or 1, 12..14 or WALK, HOV2..HOV4
DELETE_TRAVELER_TYPES	List	NONE	e.g., 1, 2, 4..10, 100..200, 300

Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECT_PARKING_LOTS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_VC_RATIOS	Dec.	0.0	0.0, >1.0
SELECT_TIME_RATIOS	Dec.	0.0	0.0, >1.0

Notes

Each '_FILE' key has a corresponding '_FORMAT' key. The following file formats can be used for input and output files.
TEXT, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, SQLITE3, VERSION3