Travel time

About "travel time" based on ITS

1. Definition: Under the circumstances of current traffic situation and normal driving behavior, the sum of average time required to travel ~~of~~ each section from the starting interchange to the ending interchange.

Displays: Changeable message sign (CMS), Route guidance sign (RGS), Travel time sign (TTS), some photos as follows.

Normal driving behavior: It refers to driving under the condition of general traffic flow, but not particularly impatient or over cautious driving.

Average time: Each driver has different driving habit and **else as different departure and arrival time**, so there might be minor difference between real travel time and the average time we provide.

2. Photos of displays and explanations

CMS: when drivers see this sign, it means it takes about 16 minutes (average time) to drive to Xinying interchange (not Xinying downtown) under normal driving behavior.

RGS: when drivers see this sign, it means it takes about 31 minutes (average time) to drive to Yingge system interchange through National Freeway NO.3, while it takes about 35 minutes to drive to Airport System system interchange through.
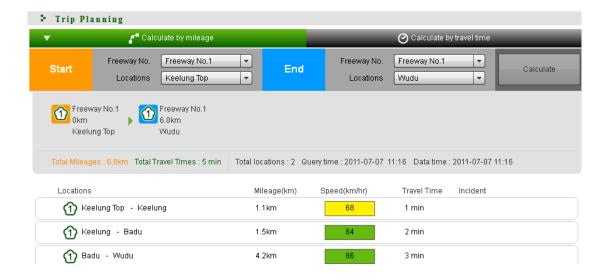

TTS: when drivers see this sign, it means it takes about 17 minutes (average time) to drive to Toufen interchange and 30 minutes to Miaoli

interchange under normal driving behavior. All these are measured up to interchanges.

RTS: when drivers see this sign, it means it takes about 21 minutes (average time) to drive to Xizhi system interchange through elevated section, while about 23 minutes through ground level floor under normal driving behavior.
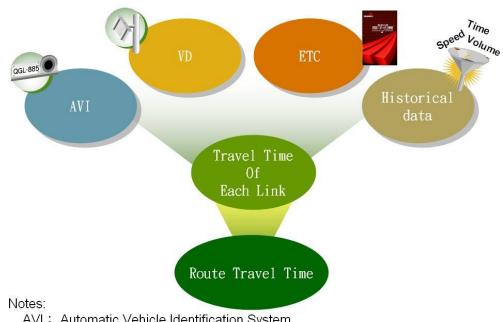
3. Travel time information search

Apart from getting information of travel time from the roadside facilities, drivers can search the current travel time situation online before starting off as a reference of traveling plan. The website is http://www.nfreeway.gov.tw. Drivers can select starting and ending interchange in "real-time traffic information" and "fastest route (travel time measure)" to get travel time and two suggestions of shortest route and shortest travel time.

Trip Planning

	Calculate by mileage			Calculate by travel time	
Start	Freeway No.	Freeway No.1 ▾	**End**	Freeway No.	Freeway No.1 ▾
	Locations	Keelung Top ▾		Locations	Wudu ▾

① Freeway No.1 0km Keelung Top ▶ ① Freeway No.1 6.8km Wudu

Total Mileages : 6.8km   Total Travel Times : 5 min   Total locations : 2   Query time : 2011-07-07 11:16   Data time : 2011-07-07 11:16

Locations	Mileage(km)	Speed(km/hr)	Travel Time	Incident
① Keelung Top - Keelung	1.1km	68	1 min	
① Keelung - Badu	1.5km	84	2 min	
① Badu - Wudu	4.2km	86	3 min	

4. Travel time measurement

The travel time released by ITS is combined by vehicle detectors (VD), ETC travel time and the travel time in historical data. An Automatic Vehicle Identification System (AVI) will be established to collect the information of real travel time for predicting an assessing travel time.

Notes:
  AVI： Automatic Vehicle Identification System
  VD：Vehicle Detectors
  ETC：Electronic Toll Collection System