## ANNUAL VEHICLE DISTANCE TRAVELED IN MILES AND RELATED DATA - 2008 1/ BY HIGHWAY CATEGORY AND VEHICLE TYPE

Published: April 2011

pril 2011									UPDATED VM-1*
							SUBTO	DTALS SINGLE-UNIT	ALL
ITEM	LIGHT DUTY VEHICLES SHORT WB 2/	MOTOR- CYCLES	BUSES	LIGHT DUTY VEHICLES LONG WB 2/	SINGLE-UNIT TRUCKS 3/	COMBINATION TRUCKS	ALL LIGHT DUTY VEHICLES /2	2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	MOTOR VEHICLES
Motor-Vehicle Travel: (millions of vehicle-miles)									
Interstate Rural	135,091	1,652	2,057	42,477	11,970	49,973	177,568	61,943	243,221
Other Arterial Rural	227,930	3,286	2,141	88,931	20,176	31,771	316,861	51,947	374,235
Other Rural	236,762	3,231	2,119	93,095	19,286	16,287	329,857	35,573	370,779
All Rural	599,784	8,168	6,317	224,503	51,431	98,031	824,287	149,463	988,235
Interstate Urban	335,612	2,527	2,131	83,429	16,752	35,663	419,041	52,415	476,114
Other Urban	1,089,361	10,115	6,376	297,524	58,672	50,131	1,386,886	108,803	1,512,179
All Urban	1,424,973	12,642	8,506	380,953	75,423	85,794	1,805,927	161,218	1,988,293
Total Rural and Urban 5/	2,024,757	20,811	14,823	605,456	126,855	183,826	2,630,213	310,680	2,976,528
Number of motor vehicles registered 2/	196,762,927	7,752,926	843,308	39,685,228	8,288,046	2,585,229	236,448,155	10,873,275	255,917,664
Average miles traveled per vehicle	10,290	2,684	17,578	15,256	15,306	71,106	11,124	28,573	11,631
Person-miles of travel 4/ (millions)	3,199,116	26,430	314,278	1,049,667	126,855	183,826	4,248,783	310,680	4,900,171
Fuel consumed	85,589,249	489,419	2,056,928	34,925,304	17,143,521	30,560,882	120,514,553	47,704,403	170,765,303
Average fuel consumption per	435	63	2,439	880	2,068	11,821	510	4,387	667
Average miles traveled per gallon of fuel consumed	23.7	42.5	7.2	17.3	7.4	6.0	21.8	6.5	17.4
	ITEM Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural Other Arterial Rural Other Rural All Rural Interstate Urban Other Urban All Urban Total Rural and Urban 5/ Number of motor vehicles registered 2/ Average miles traveled per vehicle Person-miles of travel 4/ (millions) Fuel consumed (thousand gallons) Average fuel consumption per vehicle (gallons) Average miles traveled per	ITEMLIGHT DUTY VEHICLES SHORT WB 2/Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural135,091Other Arterial Rural227,930Other Arterial Rural227,930Other Rural236,762All Rural599,784Interstate Urban335,612Other Urban1,089,361All Urban1,424,973Total Rural and Urban 5/2,024,757Number of motor vehicles registered 2/ Average miles traveled per vehicle196,762,927Person-miles of travel 4/ (millions)3,199,116Fuel consumed (thousand gallons) Average miles traveled per435Average miles traveled per23,7	ITEMLIGHT DUTY VEHICLES SHORT WB 2/MOTOR- CYCLESMotor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural135,0911,652Other Arterial Rural227,9303,286Other Rural236,7623,231All Rural599,7848,168Interstate Urban335,6122,527Other Urban1,089,36110,115All Urban1,424,97312,642Total Rural and Urban 5/2,024,75720,811Number of motor vehicles registered 2/ Average miles traveled per vehicle196,762,9277,752,926Person-miles of travel 4/ (millions)3,199,11626,430Fuel consumed (thousand gallons) Average miles traveled per85,589,249489,419Average miles traveled per23.742.5	ITEMLIGHT DUTY VEHICLES SHORT WB 2/MOTOR- CYCLESBUSESMotor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural135,0911,6522,057Other Arterial Rural227,9303,2862,141Other Rural236,7623,2312,119All Rural599,7848,1686,317Interstate Urban335,6122,5272,131Other Urban1,089,36110,1156,376All Urban1,424,97312,6428,506Total Rural and Urban 5/2,024,75720,81114,823Number of motor vehicles registered 2/ Average miles traveled per vehicle196,762,9277,752,926843,308Person-miles of travel 4/ (millions)3,199,11626,430314,278Fuel consumed (thousand gallons) Average miles traveled per435632,439Average miles traveled per23.742.57.2	ITEM     LIGHT DUTY VEHICLES SHORT WB 2/     MOTOR- CYCLES     BUSES     LIGHT DUTY VEHICLES LONG WB 2/       Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural     135,091     1,652     2,057     42,477       Other Arterial Rural     227,930     3,286     2,141     88,931       Other Rural     236,762     3,231     2,119     93,095       All Rural     599,784     8,168     6,317     224,503       Interstate Urban     335,612     2,527     2,131     83,429       Other Urban     1,089,361     10,115     6,376     297,524       All Urban     1,424,973     12,642     8,506     380,953       Total Rural and Urban 5/     2,024,757     20,811     14,823     605,4566       Number of motor vehicles registered 2/     196,762,927     7,752,926     843,308     39,685,228       Person-miles of travel 4/     3,199,116     26,430     314,278     1,049,667       Fuel consumed (thousand gallons)     85,589,249     489,419     2,056,928     34,925,304       Average miles traveled per     23,7     42	ITEM     LIGHT DUTY VEHICLES SHORT WB 2/     MOTOR- CYCLES     BUSES     LIGHT DUTY VEHICLES LONG WB 2/     SINGLE-UNIT TRUCKS 3/       Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural     135,091     1,652     2,057     42,477     11,970       Other Arterial Rural     227,930     3,286     2,141     88,931     20,176       Other Rural     236,762     3,231     2,119     93,095     19,286       All Rural     599,784     8,168     6,317     224,503     51,431       Interstate Urban     1,089,361     10,115     6,376     297,524     58,672       All Urban     1,424,973     12,642     8,506     380,953     75,423       Total Rural and Urban 5/     2,024,757     20,811     14,823     605,456     126,855       Number of motor vehicles registered 2/ (millions)     196,762,927     7,752,926     843,308     39,685,228     8,288,046       Person-miles of travel 4/ (millions)     3,199,116     26,430     314,278     1,049,667     126,855       Person-miles of travel 4/ (millions)     85,589,249     489,419	ITEM     LIGHT DUTY VEHICLES SHORT WB 2/ (millions of vehicle-miles) Interstate Rural     LIGHT DUTY VEHICLES SHORT WB 2/ 135,091     BUSES     LIGHT DUTY VEHICLES LONG WB 2/ 1,652     SINGLE-UNIT TRUCKS 3/ 2,057     COMBINATION TRUCKS 3/ 42,477       Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural     135,091     1,652     2,057     42,477     11,970     49,973       Other Arterial Rural     227,930     3,286     2,141     88,931     20,176     31,771       Other Arterial Rural     236,762     3,231     2,119     93,095     19,286     16,287       All Rural     599,784     8,168     6,317     224,503     51,431     98,031       Interstate Urban     1,089,361     10,115     6,376     297,524     58,672     50,131       All Urban     1,424,973     12,642     8,506     380,953     75,423     85,794       Total Rural and Urban 5/     2,024,757     20,811     14,823     605,456     126,855     183,826       Number of motor vehicles registered 2/     196,762,927     7,752,926     843,308     39,685,228     8,288,046     2,585,229 <t< td=""><td>ITEM     LIGHT DUTY VEHICLES SHORT WB 2/     MOTOR- CYCLES     BUSES     LIGHT DUTY VEHICLES LONG WB 2/     SINGLE-UNIT TRUCKS 3/     COMBINATION TRUCKS     ALL LIGHT DUTY VEHICLES/2       Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural     135,091     1,652     2,057     42,477     11,970     49,973     177,568       Other Arterial Rural     227,930     3,286     2,141     88,931     20,176     31,771     316,861       Other Rural     236,762     3,231     2,119     93,095     19,286     16,287     329,857       All Rural     599,784     8,168     6,317     224,503     51,431     98,031     824,287       Interstate Urban     1,089,361     10,115     6,376     297,524     58,672     50,131     1,386,886       All Urban     1,424,973     12,642     8,506     380,953     75,423     85,794     1,805,927       Total Rural and Urban 5/     2,024,757     20,811     14,823     605,456     126,855     183,826     2,630,213       Number of motor vehicles registered 2/     196,762,927     7,752,926</td><td>ITEM     LIGHT DUTY VEHICLES SHORT WB 2/     MOTOR- CYCLES     BUSES     LIGHT DUTY VEHICLES LONG WB 2/     SINGLE-UNIT TRUCKS     COMBINATION TRUCKS     SUBTOTALS     SINGLE-UNIT ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT COMBINATION TRUCKS     SINGLE-UNIT VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     COMBINATION TRUCKS     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     SINGLE-UNIT TRU</td></t<>	ITEM     LIGHT DUTY VEHICLES SHORT WB 2/     MOTOR- CYCLES     BUSES     LIGHT DUTY VEHICLES LONG WB 2/     SINGLE-UNIT TRUCKS 3/     COMBINATION TRUCKS     ALL LIGHT DUTY VEHICLES/2       Motor-Vehicle Travel: (millions of vehicle-miles) Interstate Rural     135,091     1,652     2,057     42,477     11,970     49,973     177,568       Other Arterial Rural     227,930     3,286     2,141     88,931     20,176     31,771     316,861       Other Rural     236,762     3,231     2,119     93,095     19,286     16,287     329,857       All Rural     599,784     8,168     6,317     224,503     51,431     98,031     824,287       Interstate Urban     1,089,361     10,115     6,376     297,524     58,672     50,131     1,386,886       All Urban     1,424,973     12,642     8,506     380,953     75,423     85,794     1,805,927       Total Rural and Urban 5/     2,024,757     20,811     14,823     605,456     126,855     183,826     2,630,213       Number of motor vehicles registered 2/     196,762,927     7,752,926	ITEM     LIGHT DUTY VEHICLES SHORT WB 2/     MOTOR- CYCLES     BUSES     LIGHT DUTY VEHICLES LONG WB 2/     SINGLE-UNIT TRUCKS     COMBINATION TRUCKS     SUBTOTALS     SINGLE-UNIT ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT COMBINATION TRUCKS     SINGLE-UNIT VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     COMBINATION TRUCKS     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     SINGLE-UNIT TRUCKS     ALL LIGHT DUTY VEHICLES     SINGLE-UNIT TRUCKS     SINGLE-UNIT TRU

The current update is based on an enhanced methodology implemented in March 2011

1/ The FHWA estimates national trends by using State reported Highway Performance and Monitoring System (HPMS) data, fuel consumption data (MF-21 and MF-27), vehicle registration data (MV-1, MV-9, and MV-10), other data such as the R. L. Polk vehicle data, and a host of modeling techniques. Starting with the 2009 VM-1, an enhanced methodology is used to provide timely indictors on both travel and travel behavior changes.

2/ Light Duty Vehicles Short WB - passenger cars, light trucks, vans and sport utility vehicles with a wheelbase (WB) equal to or less than 121 inches. Light Duty Vehicles Long WB - large passenger cars, vans, pickup trucks, and sport/utility vehicles with wheelbases (WB) larger than 121 inches. All Light Duty Vehicles - passenger cars, light trucks, vans and sport utility vehicles regardless of wheelbase. 3/ Single-Unit - single frame trucks that have 2-Axles and at least 6 tires or a gross vehicle weight rating exceeding 10,000 lbs.

4/ Vehicle occupancy is estimated by the FHWA from the 2001 National Household Travel Survey (NHTS); For single unit truck and heavy trucks, 1 motor vehicle miles travelled = 1 person-miles traveled. 5/ VMT data are based on the latest HPMS data available; it may not match previous published results.

The data now on the website for 2000-2006 were estimated using a methodology developed in the late 1990s. FHWA recently developed a new methodology and used it for this year's Highway Statistics. This methodology takes advantage of additional and improved information available beginning in 2007 when states were first required to report motorcycle data – before that time, the reporting was not mandatory and the data were missing for a few states. Also, the new methodology does not rely on data from the national vehicle inventory and use survey which provided critical data for the original methodology but was not collected in 2007 as planned.

In April 2011, FHWA recalculated the 2000-2008 data along with the 2009 data to estimate trends. However, after further review and consideration, the agency determined that it is more reliable to retain the original 2000-2006 estimates because the information available for those years does not fully meet the requirements of the new methodology. Thus, the original 2000-2006 estimates are now used, whereas the 2007-2009 data are still based on the new methodology.