

Present Situation of Road Safety in Myanmar



Experts Group Meeting for Road Safety Improvement
Seoul , Republic of Korea
6-12 May, 2013



National data

Population	- 60 millions
Area	- 676,578 sq.km
Road Length	- 150221 km
No of Registered Vehicle	- 3699109
Neighboring Countries	- China, Laos Thailand, Bangladesh, India

Number of Motor Vehicles, Motorcycles,
Percentage of Motorcycles & Driver Licenses
(2005 - 2012)

Year	2005	2006	2007	2008	2009	2010	2011	2012
Motor Vehicle	338209	345883	369631	385586	2067839	359997	420602	461055
Motorcycle	640313	645683	654741	1608772	1674246	1880986	1933673	3153201
Percentage of Motorcycle Fleet	65.40%	65%	63.90%	80.60%	80.96%	81.83%	82.13%	87.24%
Driver Licenses	1541792	1715711	1834056	2078997	2177404	2468291	2530853	2713992

Motor Vehicles By Types

No.	Type of Vehicle	2010	2011	2012
1.	Passenger Car	259712	263046	281575
2.	Truck (Light Duty)	27623	29173	29478
3.	Truck (Heavy Duty)	36355	38053	41075
4.	Bus	20717	20065	19522
5.	Others	15590	15212	17603
6.	Two Wheelers	1880986	1933673	3153201
7.	Three Wheelers	12842	15867	36220
8.	Trawlergyi	44852	38758	34862
9.	Machaniary	9	428	720

Road Progress in Myanmar

Year	Under Ministry of Construction		The Whole Country		Ratio of Paved to Total
	Total Road Length	Paved Road	Total Road Length	Paved Road	
2004	29497 km	14126 km	90713 km	22153 km	24.42%
2005	29825 km	14356 km	92859 km	22830 km	24.58%
2006	30433 km	14956 km	104058 km	23955 km	23.02%
2007	30711 km	15213 km	111737 km	24670 km	22.08%
2008	30902 km	15387 km	125355 km	25553 km	20.38%
2009	32070 km	15583 km	127942 km	26333 km	20.58%
2010	34178 km	16550 km	136749 km	28569 km	20.89%
2011	37784 km	17260 km	142395 km	30879 km	21.68%

Notes:

(1) The Whole Country data is including NCDC, YCDC, MCDC, Ministry of Construction, Ministry of progress of Border areas & National races and Development Affairs, Ministry of Electrical Power (1)/(2) and Army Corps of Engineer-Ministry of Defence.

(2) Union Highways and main roads including ASEAN Highways are under the control of Ministry of Construction.

Road Crashes Data

No.	Type of road crash	2010	2011	2012
1.	Fatalities	2264	2495	2653
2.	Accidents (Road crashes)	7985	8568	9339
3.	Injuries	14130	15316	15720
4.	Motorcyclist death	NA	989	1151
5.	Pedestrian deaths	NA	NA	450

Road Safety Facts(2000-2012)

Year	Registered Vehicles	Number of accidents	Injury	Death
2000	438834	4932	7031	1177
2001	445167	4478	6938	1207
2002	461692	4908	8706	1247
2003	476350	5375	9195	1308
2004	960341	5915	10452	1273
2005	978522	5886	10484	1331
2006	991566	6778	11385	1362
2007	1024372	6939	12358	1638
2008	1994358	6483	11558	1778
2009	2067839	7535	13180	1845
2010	2298677	7985	14130	2264
2011	2331663	8568	15316	2495
2012	3699109	9339	15720	2653

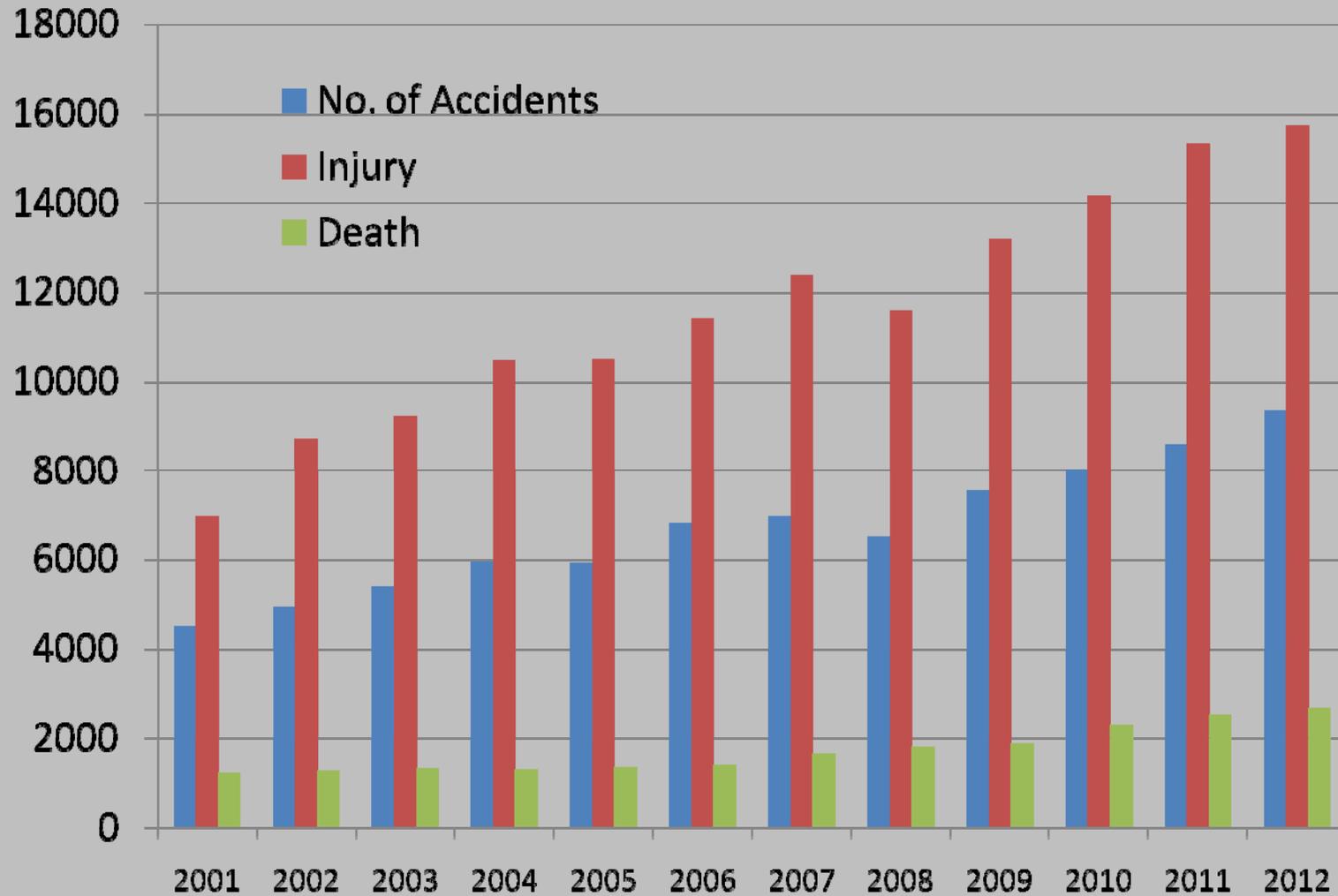
National statistical trends in road accidents

Year	Registered Vehicles	Road Length (KM)	Number of accidents	Fatality index			
				Death	Injury	Per 10,000 Vehicles	Per 100,000 Population
2001	445167	69732	4478	1207	6938	27.11	2.36
2002	461692	73843	4908	1247	8706	27.01	2.39
2003	476350	78266	5375	1308	9195	27.46	2.5
2004	960341	90713	5915	1373	10452	13.25	2.39
2005	978522	92859	5886	1331	10484	13.6	2.45
2006	991566	104058	6778	1362	11385	13.73	2.46
2007	1024372	111737	6939	1638	12358	14.91	1.65
2008	1997358	125355	6483	1778	11558	8.90	3.04
2009	2067839	127942	7535	1845	13180	8.92	3.13
2010	2298677	130050	7985	2264	14130	9.85	3.82
2011	2331663	142395	8568	2495	15316	10.70	4.16
2012	3699109	150221	9339	2653	15720	7.17	4.42

Road Crashes Data by Types of Vehicles

No.	Type of Vehicle	2011			2012		
		Accident	Injury	Death	Accident	Injury	Death
1.	Passenger	1299	2514	295	1452	2602	349
2.	Truck	1031	1855	451	1117	1664	470
3.	Bus	745	2421	256	699	1909	234
4.	Others	71	82	40	91	150	45
5.	Two Wheelers	4154	6321	989	4877	7443	1151
6.	Three Wheelers	115	208	28	166	398	43
7.	Trawlergyi	528	1004	234	519	1146	199
8.	Machaniary	585	784	176	385	377	132

Road Accident Situation in Myanmar (2001-2011 June)



Traffic Rules Enforcement Supervisory Committee

- ❖ To improve road safety measures and to reduce road traffic accidents, Traffic Rules Enforcement Supervisory Committee was established
- ❖ It was organized with the main responsible departments and other related organizations
- ❖ The organizations and departments involved in this committee carry out road safety measures in coordination and cooperation

Responsible Bodies for Road Safety Measures

Key Bodies Under Traffic Rules Enforcement Supervisory Committee

- Myanmar Police Force
- Road Transport Administration Department
- Department of Health
- Public Works
- City Development Committees
- Ministry of Education
- Ministry of Information

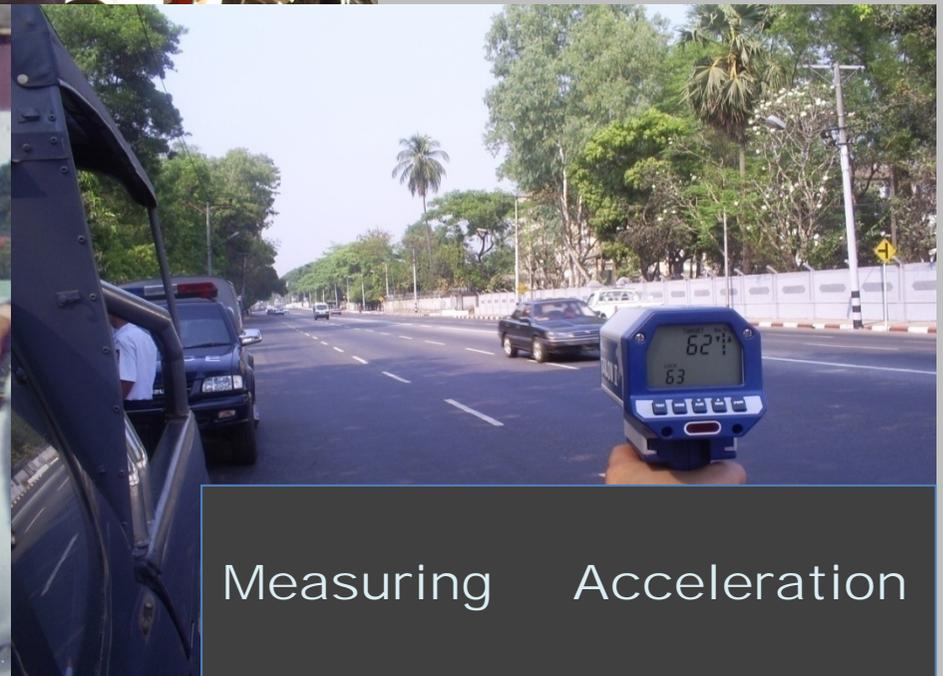
Enforcement Measures by Myanmar Police Force



Enforcement Measures by Myanmar Police Force



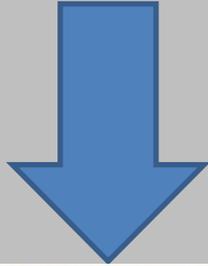
Alcohol Screening



Measuring Acceleration

Vehicle Inspection by Road Transport Administration Department

Brake Testing



Head Lamp Testing

Vehicle Inspection by Road Transport Administration Department



Pit Inspection

Side Slip Testing



Smoke Testing

Driving Testing by Road Transport Administration Department



Written Test



Practical Driving Test

Emergency Medical Service System



Installation of Road Signs and Signals



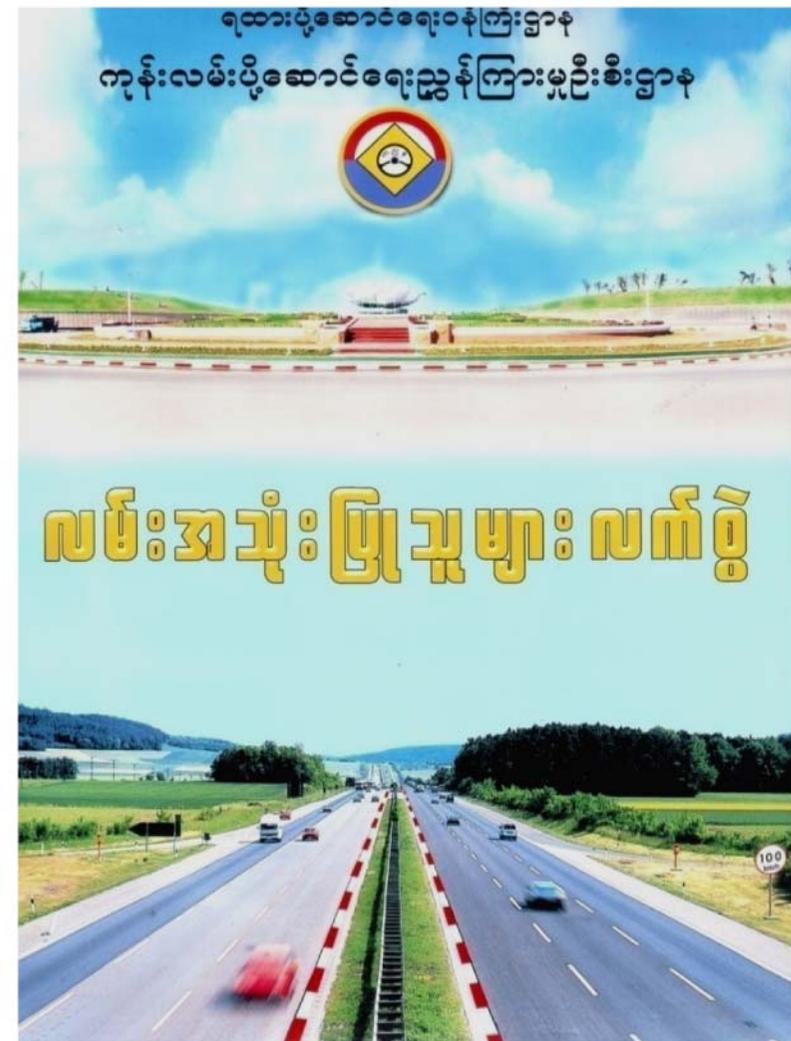
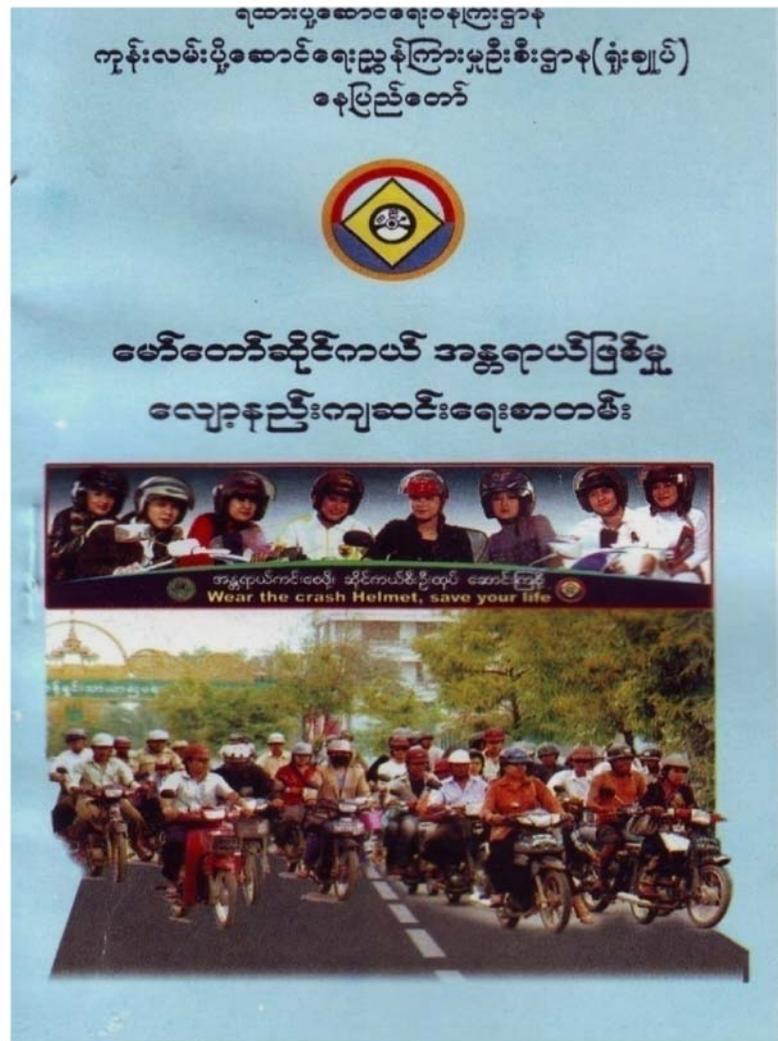
Awareness Billboard for Wearing Safety Helmet



အန္တရာယ်ကင်းစေဖို့၊ ဆိုင်ကယ်စီးဦးထုပ် ဆောင်းကြစို့
Wear the crash Helmet, save your life



Road Safety Manuals for Road Users



Pamphlets for Road Users

ရထားပို့ဆောင်ရေးဝန်ကြီးဌာန
ကုန်းလမ်းပို့ဆောင်ရေးညွှန်ကြားမှုဦးစီးဌာန



မှန်ကန်သော အချက်ပြခြင်း

- လက်ယာဘက်သို့ ကွေ့ရန် (သို့မဟုတ်) လက်ယာဘက် ယာဉ်ကြောသို့ ပြောင်းရန် (သို့မဟုတ်) လက်ယာနံဘေးသို့ ကပ်ရန် မိမိယာဉ်၏ လက်ယာဘက်အချက်ပြစီမံဖြင့် အချက်ပြရမည်။



- လက်ဝဲဘက်သို့ ကွေ့ရန် (သို့မဟုတ်) လက်ဝဲဘက် ယာဉ်ကြောသို့ ပြောင်းရန် (သို့မဟုတ်) လက်ဝဲ နံဘေး သို့ ကပ်ရန် မိမိယာဉ်၏ လက်ဝဲဘက် အချက်ပြစီမံဖြင့် အချက်ပြရမည်။



- ယာဉ်ကြော မရှင်း၍ နောက်မှ ယာဉ်အား ကျော်တက်ခြင်းမပြုရန် လက်ဝဲဘက်ဖီဖြင့် အချက်ပြရမည်။




- ယာဉ်ကြောရှင်း၍ နောက်မှ ယာဉ်အား ကျော်တက်နိုင်ကြောင်း လက်ယာဘက်ဖီဖြင့် အချက်ပြရမည်။




အရေးသည့်ပင်ယာဉ်များ

- ယာဉ်ကြောမရှင်း၍ နောက်မှ ယာဉ်အား ကျော်တက်ခြင်းမပြုရန် လက်ဝဲဘက်ဖီဖြင့် အချက်ပြရမည်။




- ယာဉ်ကြောရှင်း၍ နောက်မှ ယာဉ်အား ကျော်တက်နိုင်ကြောင်း လက်ယာဘက်ဖီဖြင့် အချက်ပြရမည်။




အထူးသတိပေးချက်

- ယခုအခါ ယာဉ်မောင်းသူအချို့သည် အချက်ပြစီမံအား လွဲမှားစွာ အသုံးပြုနေခြင်းကြောင့် မလိုလားအပ်သော ယာဉ်တိုက်ခိုက်မှုများ၊ အသက်ဆုံးရှုံးမှုများ၊ ထိခိုက်ဒဏ်ရာရမှုများဖြစ်ပေါ်လျက် ရှိနေပါသည်။
- ဓာတ်ပြုပါ အချက်ပြစီမံ သတ်မှတ်ချက်စည်းကမ်းသည် ဖြိုဖွင်း၍ သာမက ဖြိုဖြင့်ရှိ အဝေးမြေးလမ်း၊ အမြန်လမ်းမကြီးများပါ အကျုံးဝင်သည်ဖြစ်၍ တိကျစွာ လိုက်နာဆောင်ရွက်ရန် လိုအပ်ပါသည်။
- လိုက်နာရန်ပျက်ကွက်ပါက ယာဉ်စည်းကမ်း၊ လမ်းစည်းကမ်း ဥပဒေအရ ထိရောက်စွာ အရေးယူခြင်း ခံရပါမည်။

Improving Road Surface on Yangon-Mandalay Expressway



Overlaying AC on 25 ft long bridge
between 45/2 mile and 45/3mile



Overlaying AC on 25 ft long bridge
between 45/2 mile and 45/3mile



Providing Guard Rails for
Expressway Safety

Providing Roadside
Barrier for Expressway
Safety



Providing Rumble strips
to reduce fatigue
accidents





Before and after the clearance of Drainage



Reconstructing the Expressway by paving the Geotextile layer near mile post 366

Myanmar Status for Road Safety development

Institution Arrangement

- No special/ full- fledge department or organization for road safety.
- RTAD, under Ministry of Rail Transportation was originally formed with the objective of road safety of the nation. But as its functions are confined to the area of vehicle registration, driving licensing and traffic legislation, it cannot be described as a full- fledge Department for Road safety.
- In 1989, a committee named “ Traffic Rules Enforcement Supervisory Committee (TRESC) headed by local Authority and membership with concerned departments and organizations was given the authority to handle all road traffic issues. (Key player: Public Works, Health Department, Myanmar Police Force, RTAD, Cities Development Committees, Education Department, Myanmar Insurance etc.)

National Road Safety Action Plan

Myanmar has already drawn up its National Road Safety Action Plan which is aligned with UN Resolution on road safety and road safety guidelines of ADB. Myanmar National Road Safety Action Plan set the targets as:

- Save more than 280 lives during the decade by halving the anticipated increase in death per year
- Reduce the death rate by 50%
- 90% wearing of motorcycle helmets nationwide
- 70% wearing of seat-belt nationwide

Implementing Measures for Road Safety

- To establish a National Road Safety Committee for adequate technical and financial support to coordinate road safety activities across all sectors
- To establish an effective, standardized, computer-based accident data system
- To develop Road Safety Education, Road Safety Campaign, and Road Safety Research Programs
- To raise the public awareness in Road Safety Activities
- To develop safety plan and design of road
- To reduce the black spot location
- To develop key professional in all major cities and conduct overseas training courses and study tours

There is no separate reserved budget for road safety. But concerned Departments carried out road safety activities with their own funding.

National Road Safety **Committee** is needed to be established for guiding principally and a Dept/Org fully authorized and staffed with proficient personnel for implementing National Road Safety Measures.

To introduce Road Safety Audit System

To establish Road Safety Research Centre

Conclusion

- For improving road safety, Myanmar implemented “National Road Safety Action Plan” which is a part of ADB-ASEAN Road Safety Program.
- Moreover the Government has arranged to plan “National Road Safety Action Plan 2011-2015” as the next phase.
- So we are trying to implement road safety action plan (2011-2015) effectively for reducing road traffic accident in our country.

Thank You for Kind Attention



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