



**Summary of the “Elements of Road Safety Engineering” Workshop
Tashkent, 22nd – 25th April, 2019**



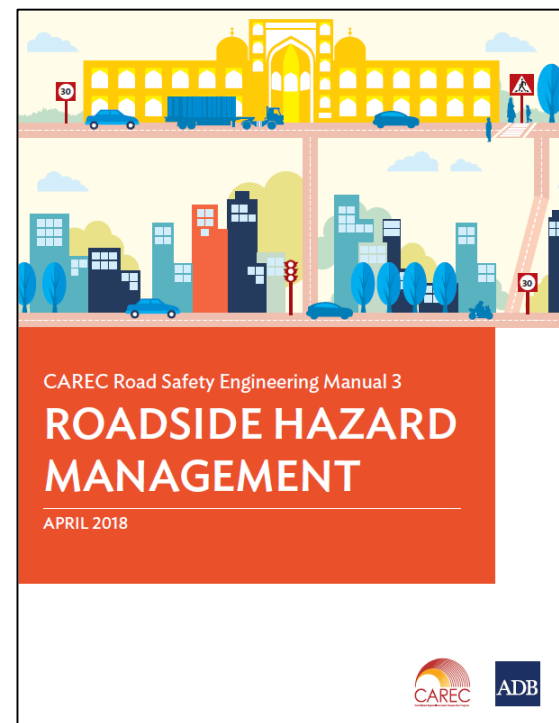
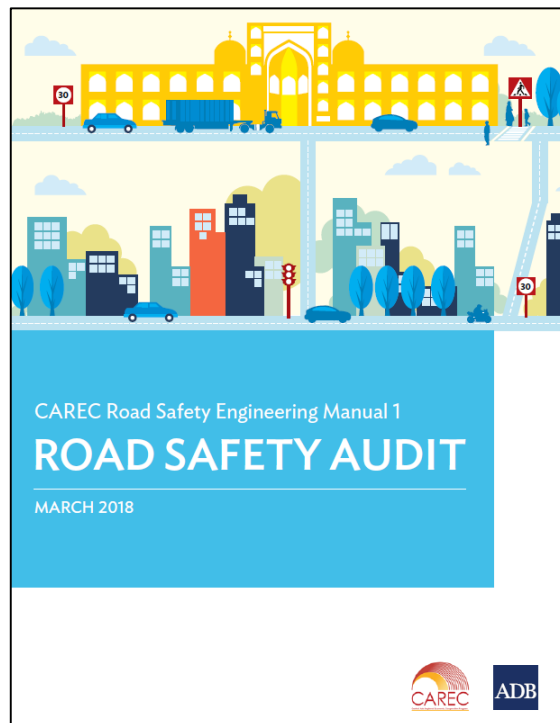
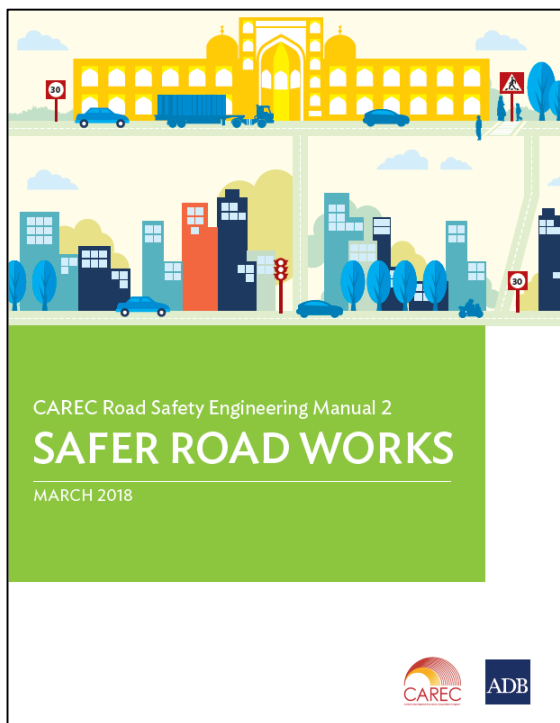
20 participants. 4 days. 1 site visit

I came as a foreigner, a friend and a road safety engineer

- You have made me very welcome
- You have been open to new ideas
- I have enjoyed my time in your city once again
- We have covered several topics
- Uzbek roads can be made safer
- YOU can be a champion to make this happen

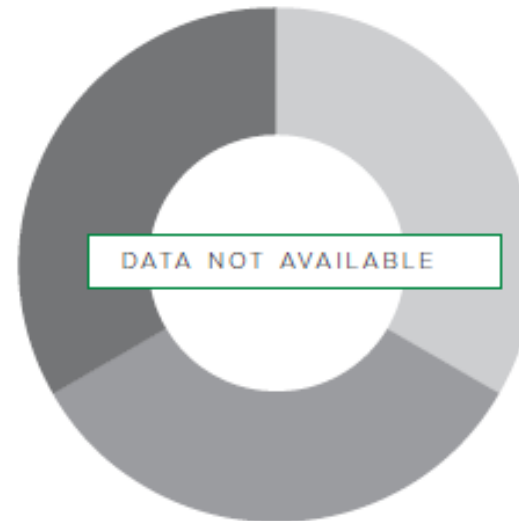


The workshop was focused on road safety engineering





Deaths by road user category



- Treat road safety as a business
- Remember to serve all your customers
- Start with standards, but do not be “blinded” by them



Blackspot investigations are worthwhile. Spend \$1 – save \$4

**Always - put
yourselves into
the shoes of your
customers!**



Themes from the workshop

- Roadside hazards kill many people
- A “roadside hazard” is anything bigger than 100mm diameter and fixed
- “Clear zone” – a useful guide for designers

A 6-step strategy for Roadside Hazard Management

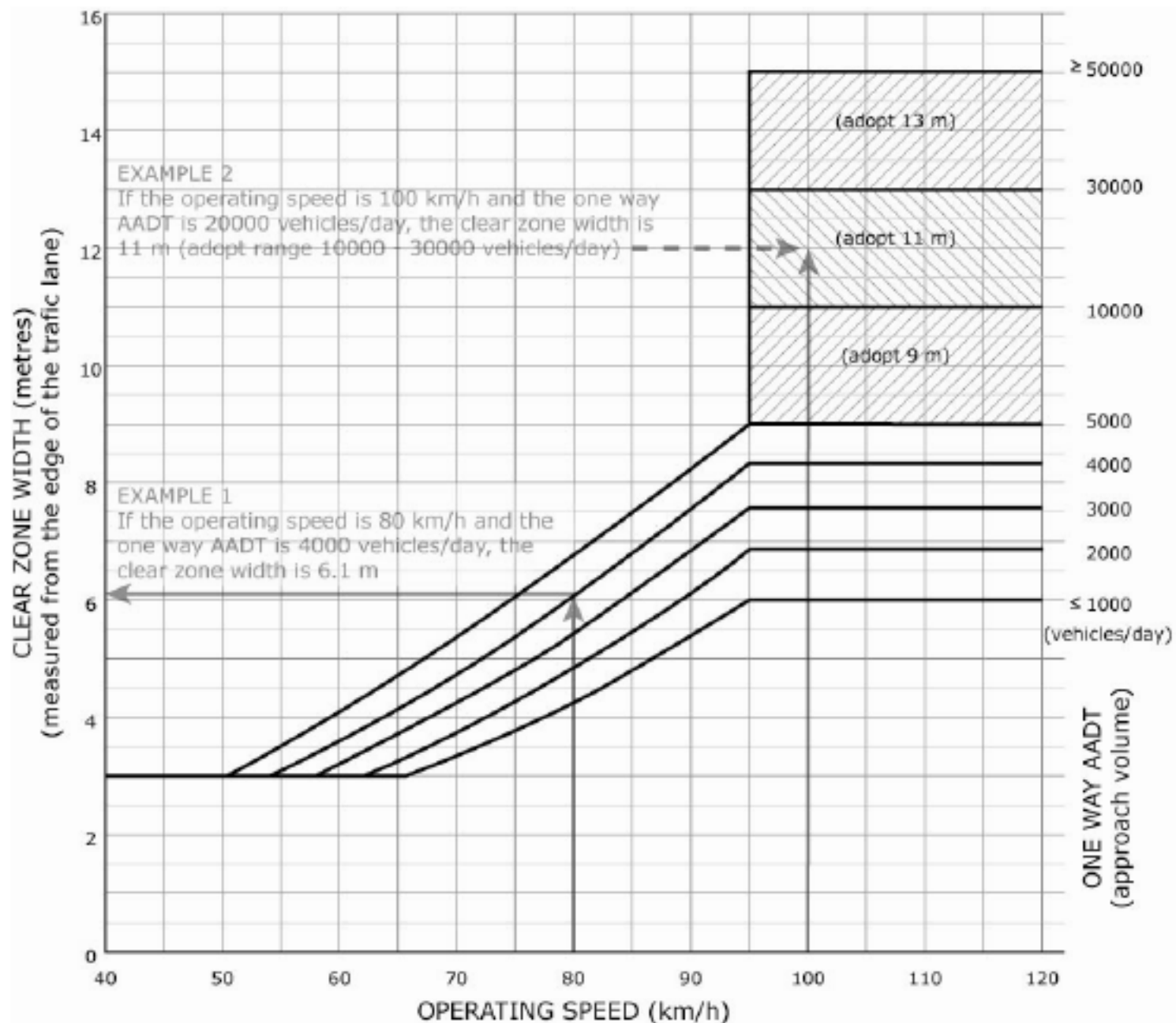
- 1. Keep vehicles on the road**
- 2. Provide a forgiving roadside**



- 2 i. remove the hazard**
- 2 ii. relocate the hazard**
- 2 iii. alter the hazard to reduce severity**
- 2 iv. protect the people with barriers**

Clear Zone Chart

Figure V4.1: Basic Clear Zone Widths on Straights – All Roads





Pedestrians
need your
assistance.
Don't forget
them!

Themes from the
workshop



Pedestrians
need your
assistance.
Don't forget
them!

Themes from the
workshop

Signing Principles – 8 C's

- **Conspicuous** - easily seen
- **Clear** - legible, able to be read in ample time
- **Concise** - as few words as possible
- **Comprehensible** – understood
- **Credible** – believed
- **Consistent** - same placements across the network
- **Compliant** - with standards
- **Correct** – the sign must be correct





Road Safety Audit

Prevention is
better than cure



THANKS

Many people have been involved in this workshop – thanks to all.

ADB

CAREC

Ministry of Transport

Committee of Roads

Traffic Police

Design Institute

Ministry of Health

Shukhrat Abdullaev

Interpreters (Akram and Aynur)

Hotel staff

Bus drivers....and others



And special thanks to all of you – you are a great group



When you return to your workplace, think about how road safety engineering may be put to best use for your customers, and how it may add value to your work. Why?



BECAUSE..... the world needs more road safety engineers









































Худойназаров Равшан

Член Комитета по автомобильным дорогам

Олимов Махмуд

Член Комитета по автомобильным дорогам

Кулжонов

Член Комитета по автомобильным дорогам



в Рустам

ОЖОКИЙ ИССЛЕДОВАТЕЛЬСКИЙ ИНСТИТУТ

Париев Рахимжон

Главное управление по автомобильным дорогам
Ташкентской области

Хамидов Рустам

Комитет по автомобильным дорогам

Назарова Шахиноза

Комитет по автомобильным дорогам



ОХИД

решения дел
тан

Боезов Равшан

ГУББД Министерства внутренних дел
Республики Узбекистан

Мусаназаров Баходир

ГУББД Министерства внутренних дел
Республики Узбекистан

Носиров Шерзод

ГУББД Министерства внутренних дел
Республики Узбекистан



ан

Азизов Кудрат
*Ташкентский институт по проектированию строительства
и эксплуатации автомобильных дорог*

Хакимов Шахзод
Министерство транспорта Р...





Шодиев Улутбек

«Узавиотрастехника»

Ибрагимов Равшан

ГУП «Узбуллойнха»



Юсупов Данияр

Министерство здравоохранения Республики Узбекистан



Абдурашидов Азизулло
Комитет по автомобильным дорогам

Худонназаров Рахман
Комитет по автомобильным дорогам

Олимов Махмуд
Комитет по автомобильным дорогам

Кулжонов Фарход
Комитет по автомобильным дорогам



Назарова Шахноза
Комитет по автомобильным дорогам

Миралимова Умида
Комитет по автомобильным дорогам

Абдухафизов Фариз
Комитет по автомобильным дорогам





















Abdurahimov Lutfulla

Khudoynazarov Rays



All of you..... can make a difference to road safety in Uzbekistan,
and maybe in other countries





REMEMBER..... the world needs more road safety engineers

You can save lives on the roads of Uzbekistan





It has been a great pleasure working with you in Tashkent this week - good luck and best wishes for your future “road safety engineering” work.