



Safe System in Action

The Safe System Journey in Pakistan

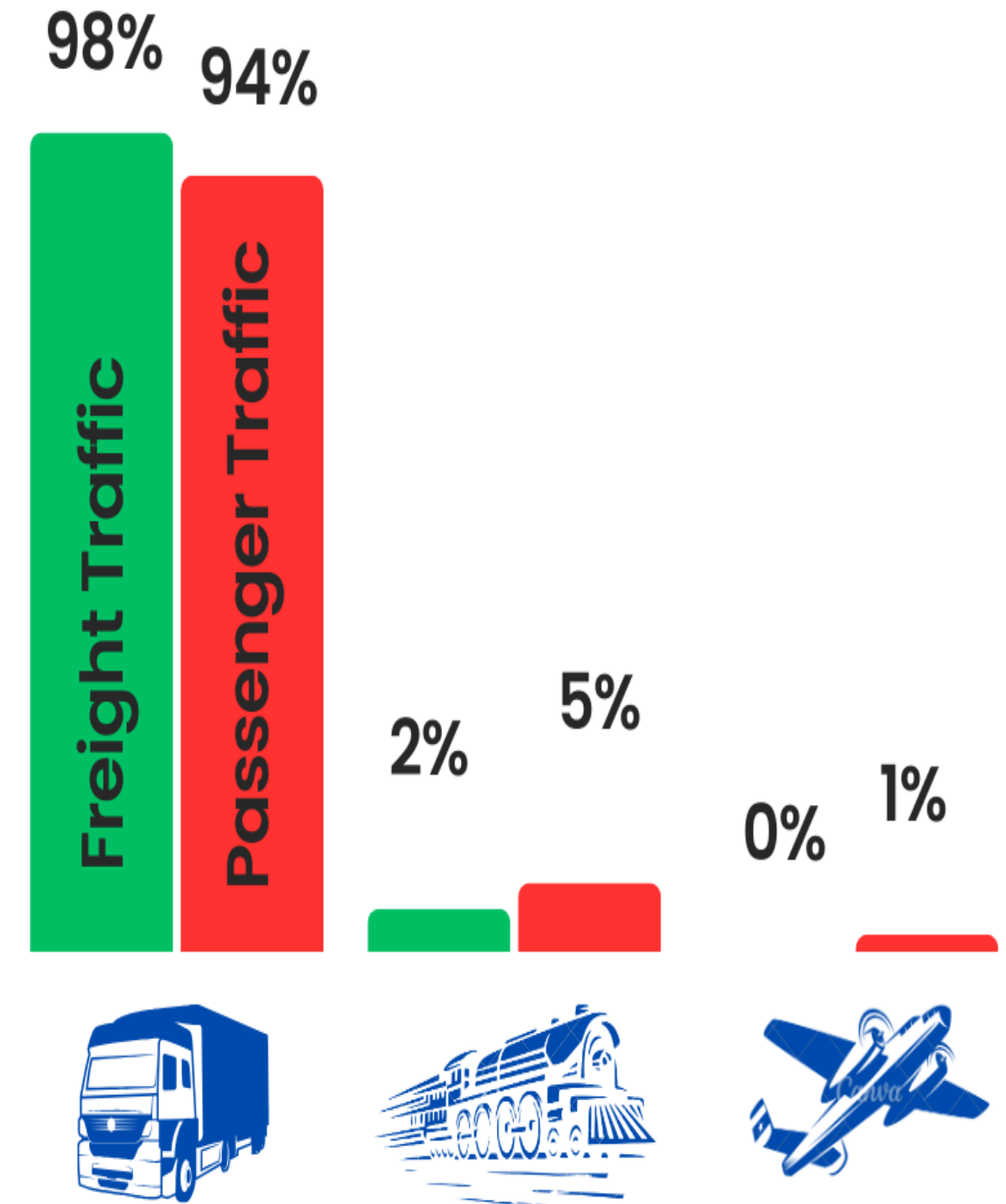
28th April, 2026

Presented by:

Syed Minhas Mahmood, Deputy Secretary (Roads), Ministry of Communications

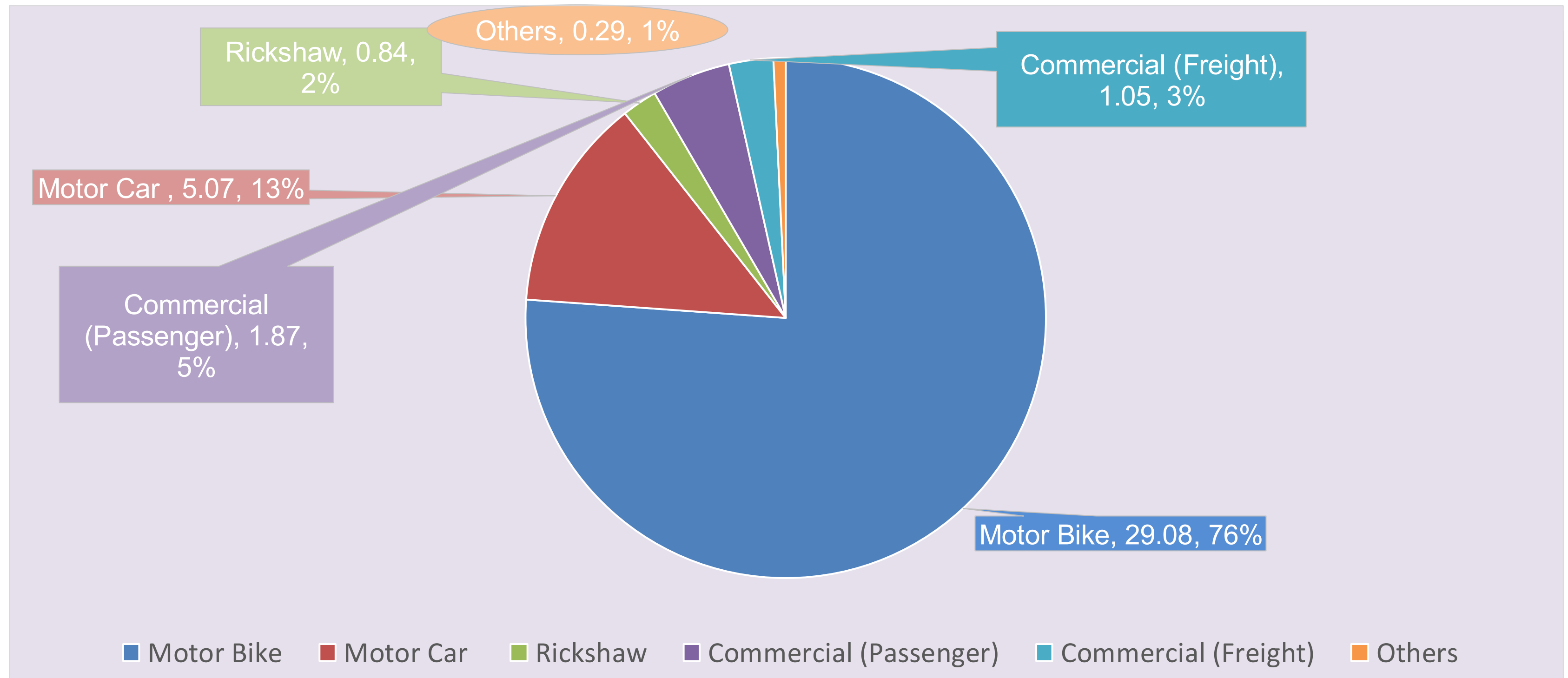
Pakistan's Road Network: Statistics

- Pakistan's Population: 240 Million with 40% vulnerable road user group (15 – 40 Years age group)
- Pakistan's road network : 493,000 km.
 - National Highway Network : 14,400 km long; Motorways (2,500 km), and Highways (11,900 km)
- highways carry 95% of both passenger and freight traffic
- Current intercity traffic volume by road is estimated at around 809m passenger kilometres per day (2021)



Vehicle (Types) in Pakistan

- Around 37 million vehicles are registered, 80% of the them are two and three-wheelers.



Road Safety in Pakistan

Background

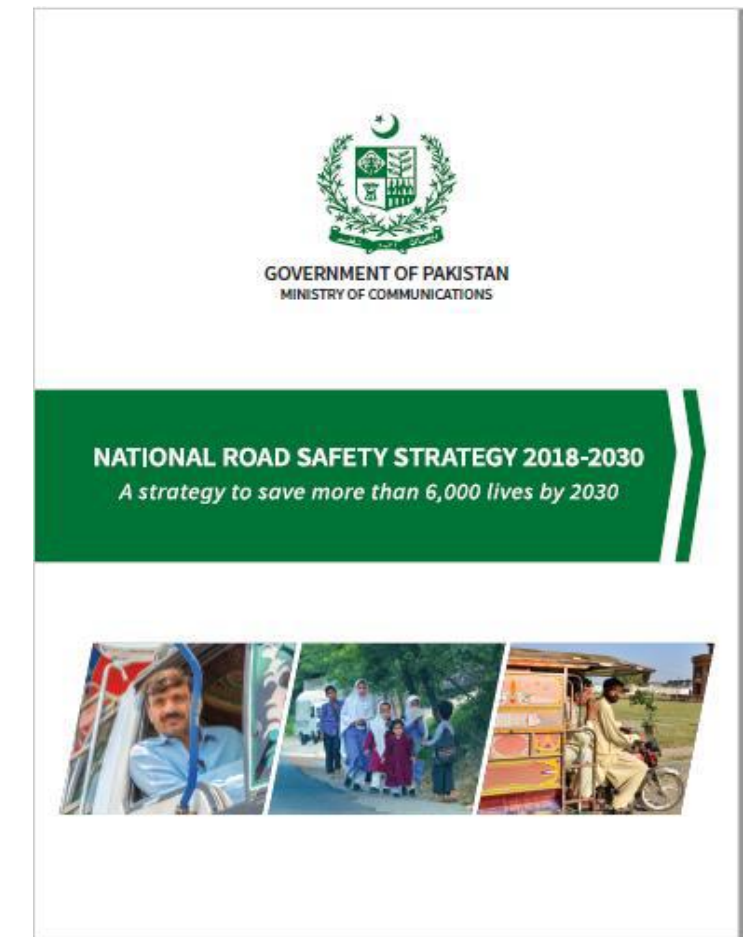
- **The National Health Vision 2016-2025** notes that road traffic injuries account for more than 11 per cent of the burden of disease and are likely to rise with increasing road traffic.
- Pakistan is a signatory :
 - UN Resolution 255 and 299 on “Improving Global Road Safety”.
 - the **CAREC Road Safety Strategy 2017-2030** which sets an overall objective of reducing fatalities on CAREC corridors by 50 percent by 2030.
 - **UNSDG targets on Road Safety (SDG 3.6 and SDG 11.2)** in the UN 2030 Agenda for Sustainable Development
- **National Road Safety Strategy of Pakistan 2018-30** set a target to save 6000 lives by 2030.
- **National Road Safety Action Plan** was launched to support the implementation of the National Road Safety Strategy 2018-30.

Road Safety in Pakistan

National Road Safety Strategy, 2018-2030 (NRSS 2018-2030)

Highlight about NRSS 2018-2030:

- ✓ Covers all road networks and user groups.
- ✓ Adopts a Safe System approach: no fatalities or serious injuries from road crashes.
- ✓ Aims to save more than 6,000 lives by 2030.
- ✓ Aligned with the UN Decade of Action for Road Safety 2021-2030, targeting a 50% reduction in road traffic deaths and injuries.

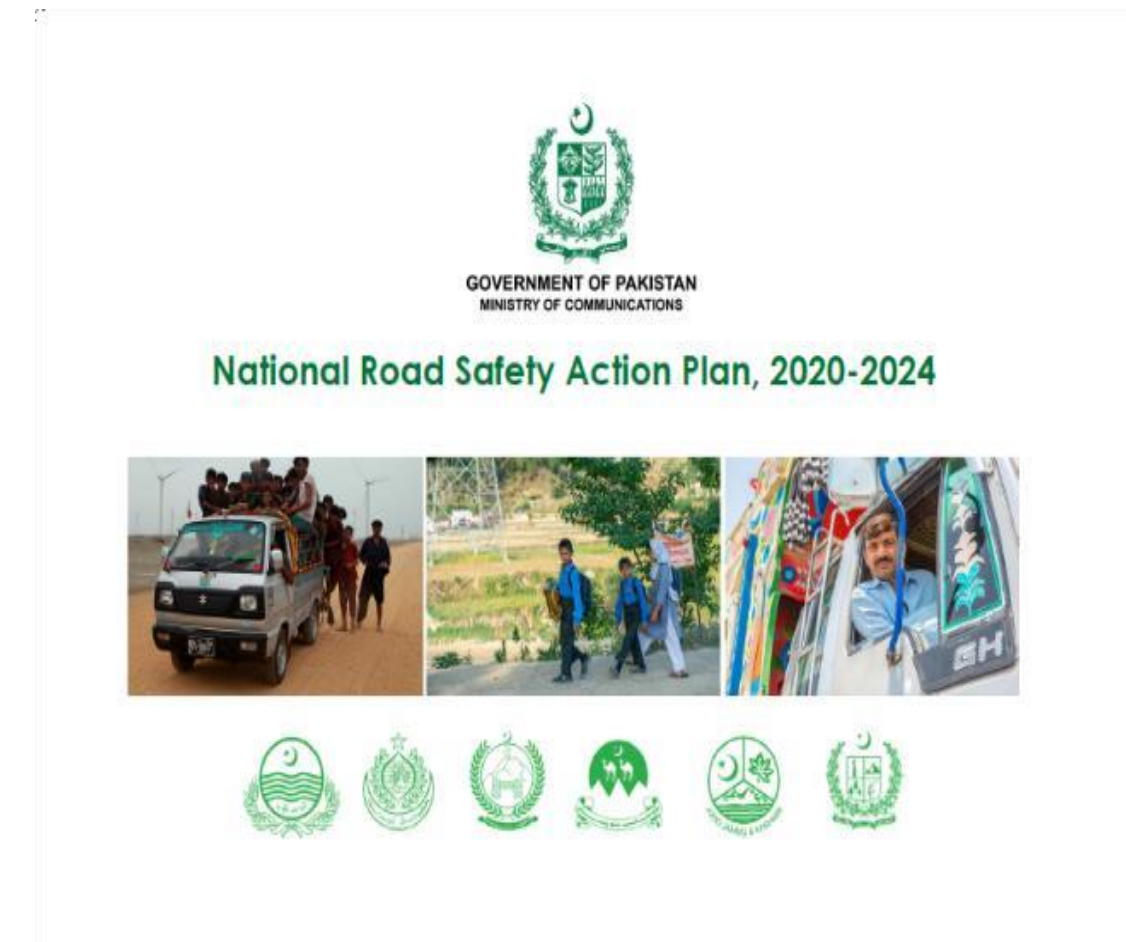


National Road Safety Action Plan

National Road Safety Action Plan (NRSAP):

Highlight about NRSAP:

- This Plan is based on 6 focus areas: Road Safety Management, Safe Road and Roadsides, Safe Speed, Safe Vehicle, Safe Road User, Post Crash Care



National Action

**Pillar 1:
Management &
Coordination**

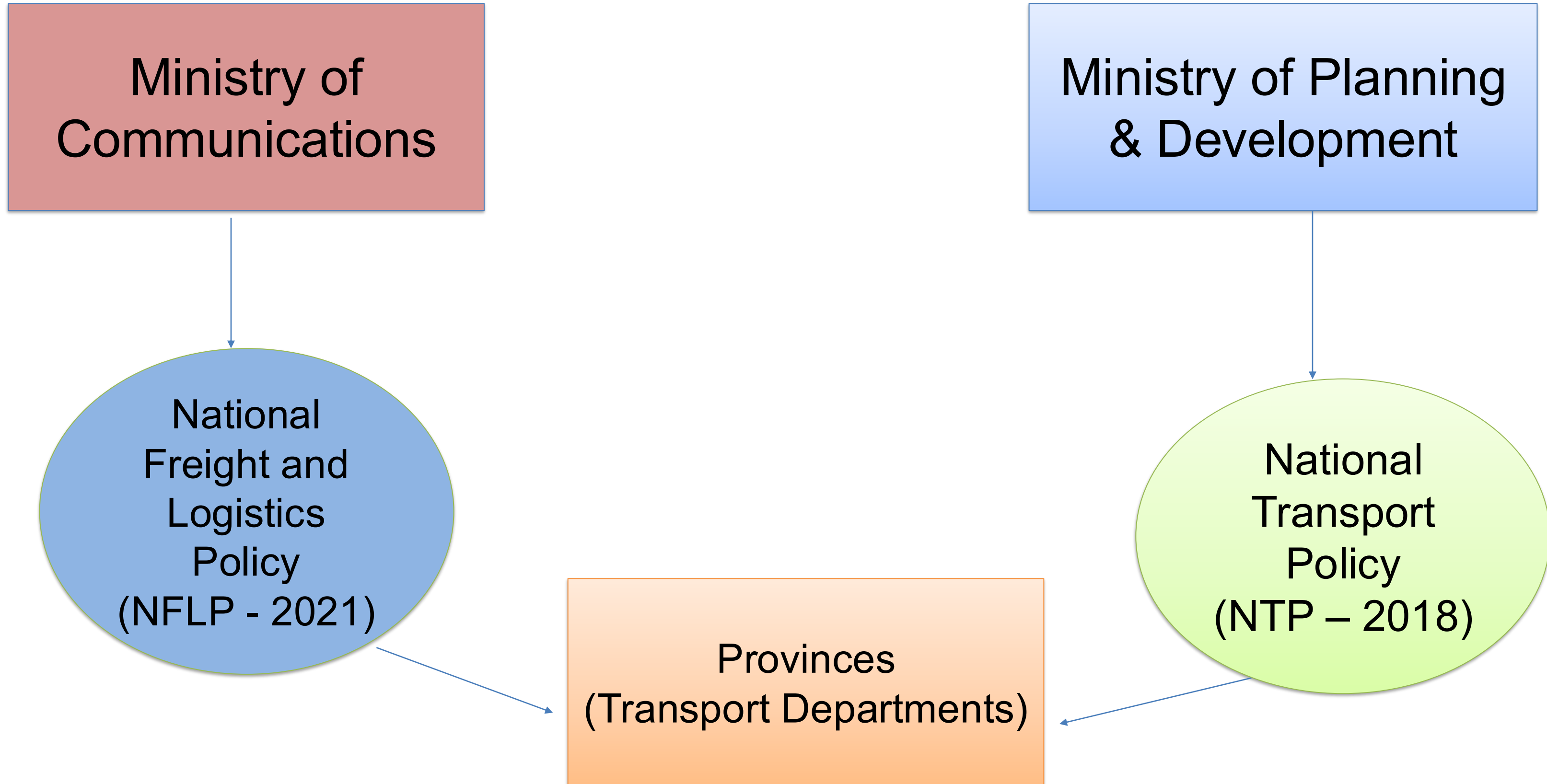
**Pillar 2:
Road
Infrastructure &
Safe Speeds**

**Pillar 3:
Vehicle Safety**

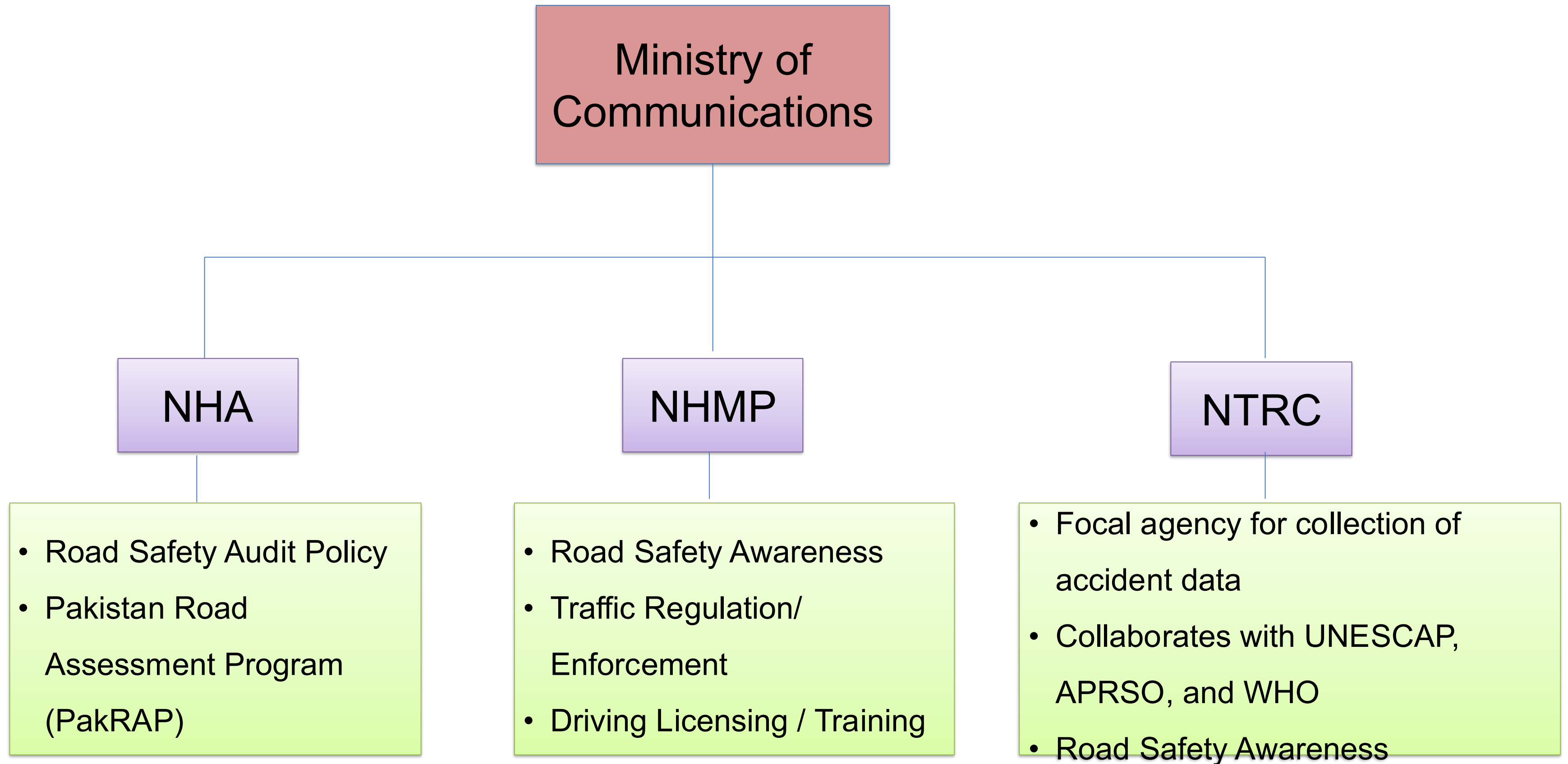
**Pillar 4:
Safe Road Users**

**Pillar 5 :
Post Crash Care**

Road Safety – Management and Coordination

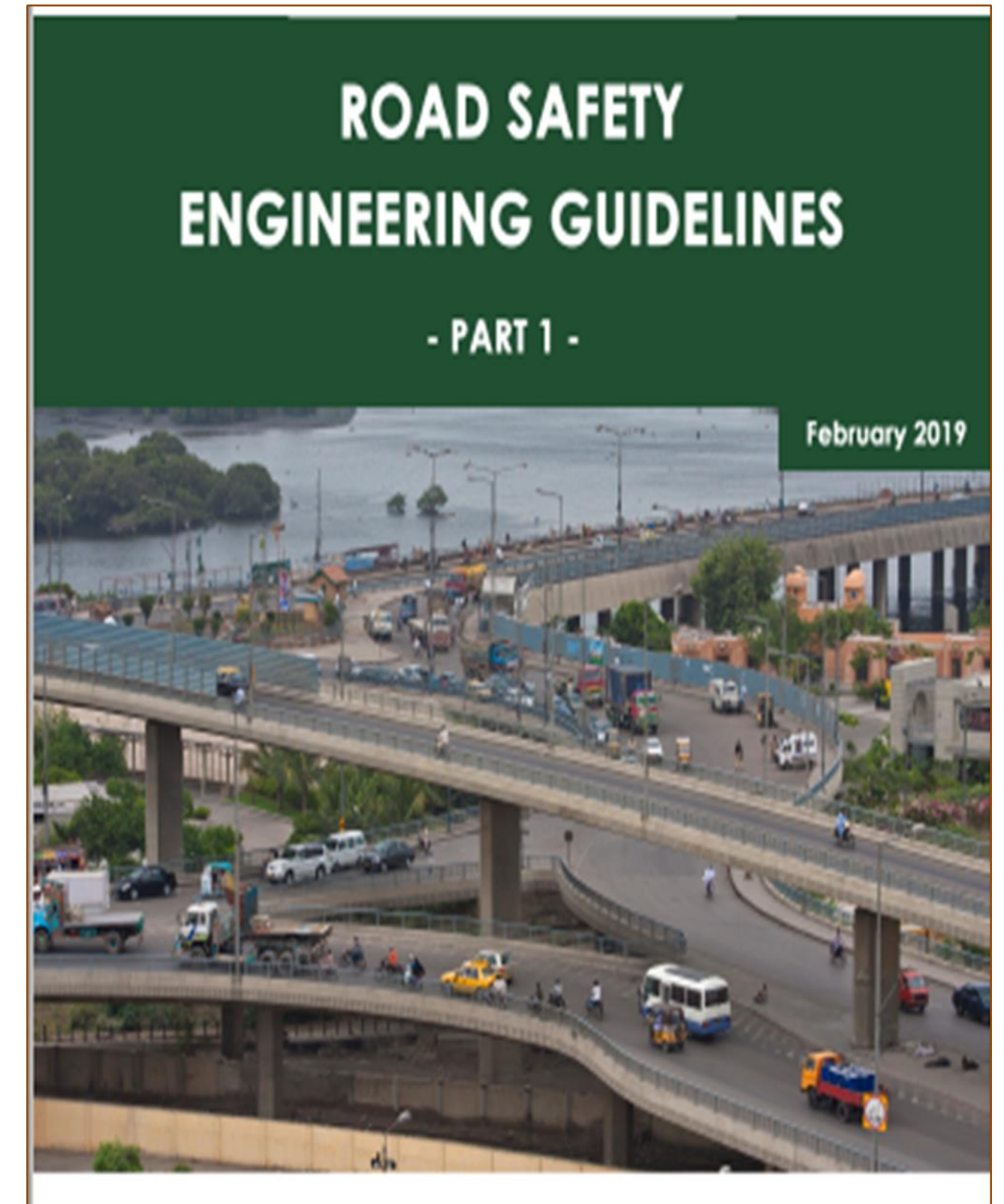


Road Safety – Management and Coordination



Road Safety – Safe Roads

- National Guidelines for Road Safety Engineering:
 - The safe system with regular training provided to engineers
- Pakistan road assessment program (PakRAP) initiated by NHA for star rating under iRAP
 - 10,666 carriageway kilometres of roads assessed
 - PakRAP is focused on decreasing 1 Star highways to <10%, 2 Star to 15% and 3 Star or better > 75% by year 2030.



Road Safety – Safe Roads

- Axle Load Control Regime
 - Strict Implementation since 15th November, 2023
 - More focus on returning overweight vehicles rather than fines
 - More than 1.2 M vehicles returned
 - 99.3% implementation on Motorways and 95% on national highways

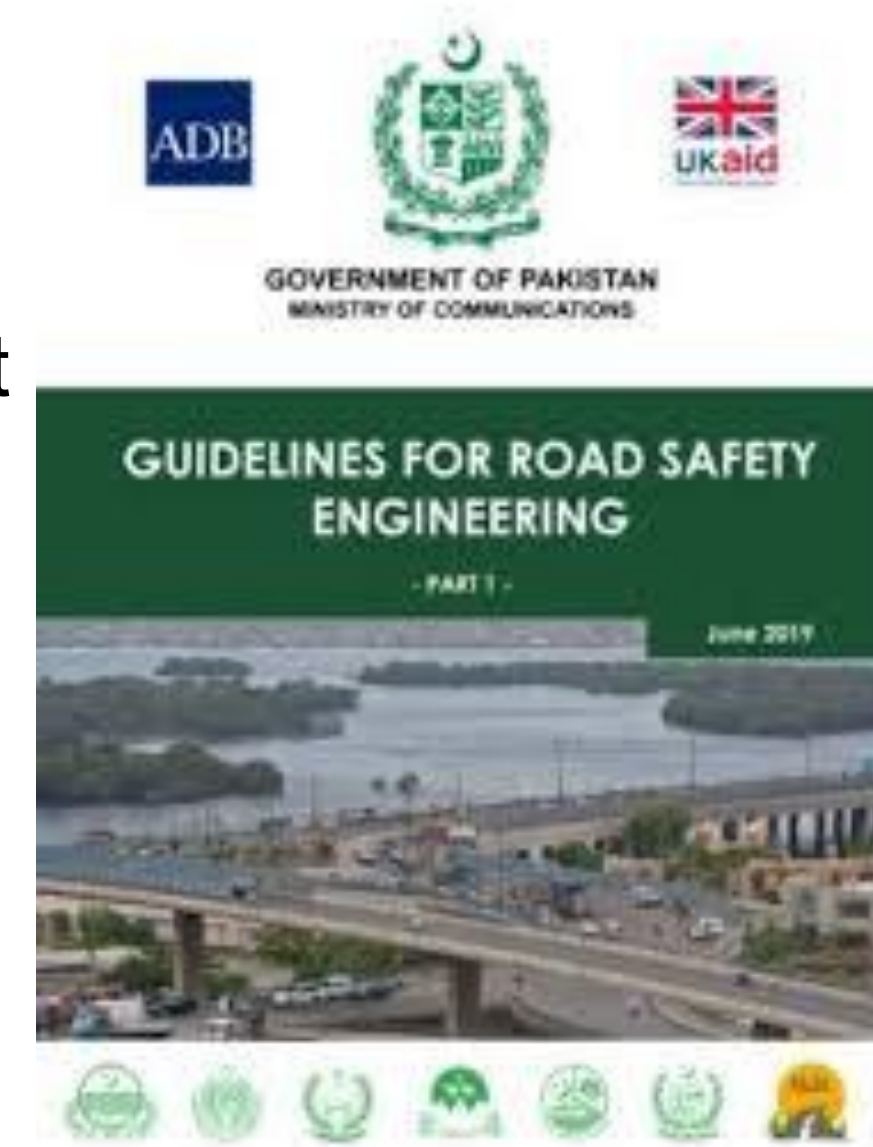
Overall ALCR Enforcement (15 th Nov. 2023 - 22 nd Mar. 2026)						
Tickets Issued	Fine Imposed (M)	Vehicles Returned		Vehicles Offloaded	FIRs	Qalandras
		Motorways	Highways			
2,052,908	11,218	263,961	967,730	38,777	9,443	1,512

Road Safety – Road Infrastructure and Safe Speed (P2)

- Speed limits on national and major provincial highways are mandatory,

Ongoing

- Developing 5,000 km of pedestrian-friendly roads and integrating intelligent transport systems in the next 5 years.
- Data and information from PakRAP will provide evidence base for prioritizing road safety measures on the National Highway Network
- Upgrading 10,000 km of high-risk roads to improve safety.

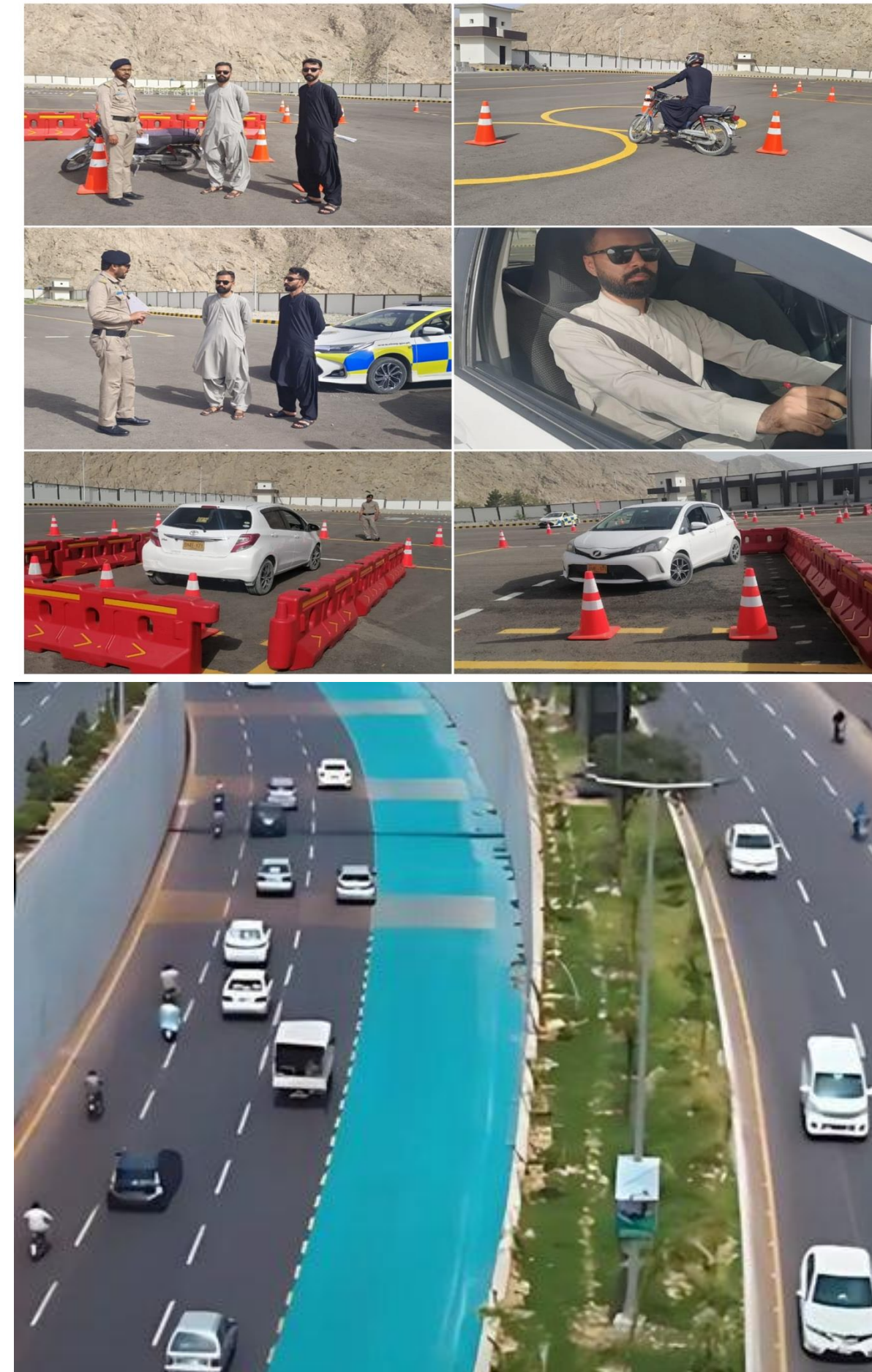


Road Safety – Safe Vehicles

- Pakistan member of the World Forum for Harmonization of Vehicle Regulations (WP.29)
- 17 regulations pertaining to seat belts and airbags, brakes, steering, tires, lighting, head restraint implemented
- Vehicle Standards established for Bikes & helmets, Cars, Buses.
- Penalties for vehicles standards and vehicle licensing offences have been reviewed and revised to reflect road safety risk

Road Safety – Safe Road Users

- 3 Federal Level Driver Licensing Authorities (DLAs) (Islamabad, Quetta, Sheikhupura) operational as per International Standards
- 169 District Licensing Authorities at provincial level
- National Driver Licensing Repository
 - **(10 M licenses across provinces / ICT integrated)**
- Intelligent Transport System (ITS) operational at LSM and installed on M-3 & M-5



Road Safety – Safe Road Users

- Mass Transit Systems: a way to improve road safety

City	Buses/Trains	Passenger Count (daily)
Lahore (BRT)	64	205,000
Orange line Train Lahore	27	245,000
Rawalpindi (BRT)	68	151,000
Multan (BRT)	35	96,000
Peshawar (BRT)	100	329,000
Karachi (BRT)	80	55,000



Road Safety – Post Crash Care

- Rescue 1122 : First responders all across Pakistan
- Response Time : 5-7 minutes

No. of Ambulances (Year 2024)	Road Crashes responded
1400	650,000 (Approx.)

- 100 Rescue Stations established, in collaboration with Provincial Governments, along Motorways and Highways in 2024-25.



PAKISTAN ROAD ASSESSMENT PROGRAM (PakRAP)

PHASE	1	2	3
Duration	July 17 – Mar 18	April 18 – Dec 18	Jan19 – Dec 19
Road Length Assessed	3,300	5,039 km	2,400 km
Field Survey and Data Collection	Completed	Completed	Completed
Road Attribute Coding in ViDA	Completed	Completed	Completed
Safer Road Investment Program	Prepared	Prepared	Prepared

PAKISTAN ROAD ASSESSMENT PROGRAM (PakRAP)

- After successful implementation of Pakistan Road Assessment Program (PakRAP) on NHA network, comprehensive road safety plans have been prepared in harmony with the UN SDG target and the associated Global Plan for the Decade of Action 2021-2030.
- The plan is focused on decreasing 1 Star to <10%, 2 Star to 15% and 3 Star or better > 75% by year 2030. Initial focus will be on transformation of 1 Star section to 3 Star or better depending on resource envelope for highway safety works. During the next 6 years, the star rating assessment of entire network shall be updated simultaneous to star rating improvements as per following indicative plan:

2025

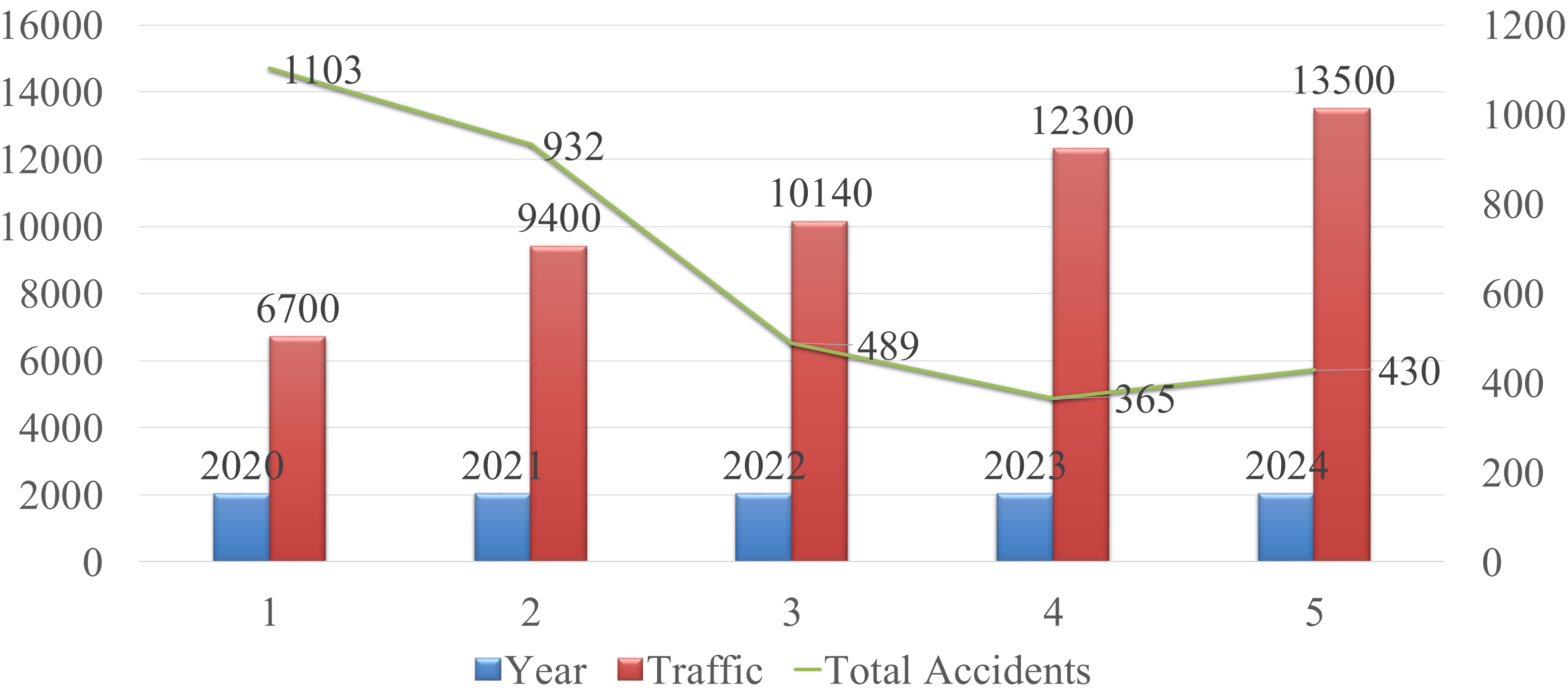
- 100% field surveys for Star Rating Assessments completed.
- 50% of Star Rating Assessment completed
- 20% of identified high risk segments improved to 3-Star or better.

2030

- 100% of Star Rating Assessment maintained up to date.
- 100% of identified high risk segments improved to 3-Star or better.
- 75% of the NHA network achieves a 3-star or higher rating under iRAP framework

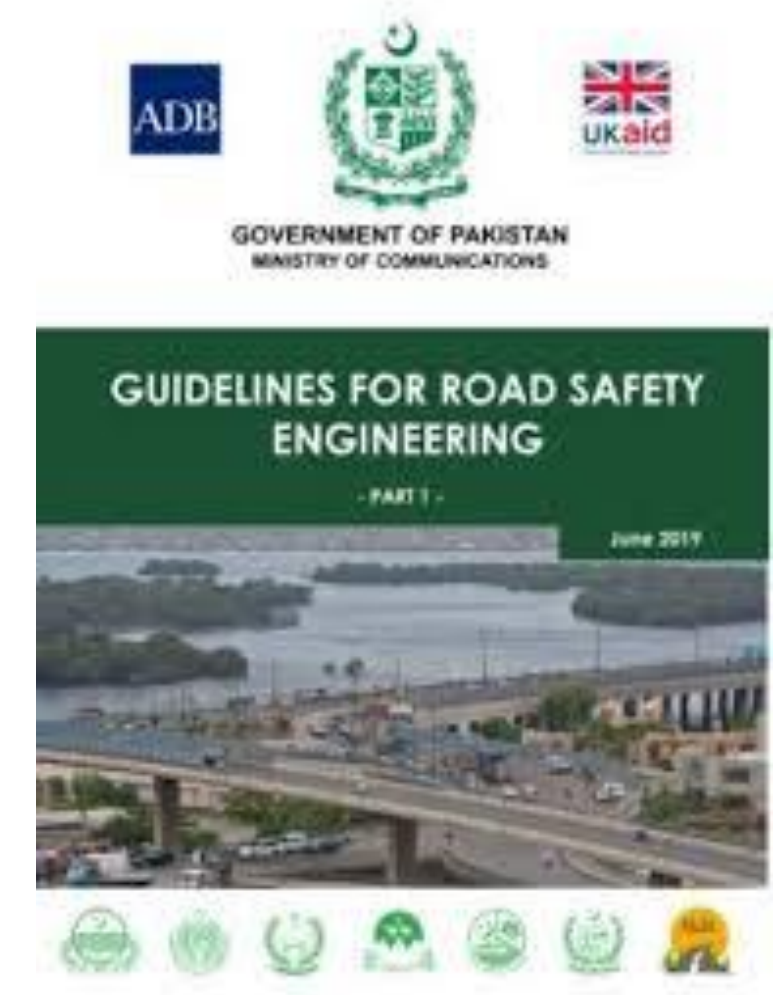
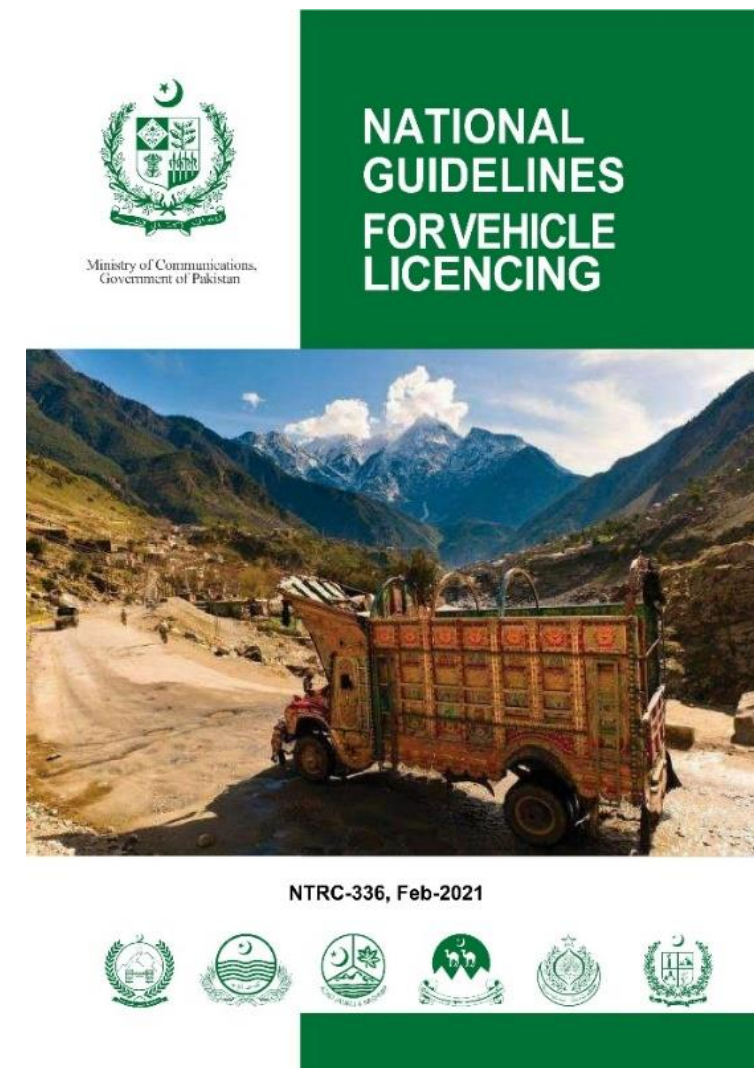
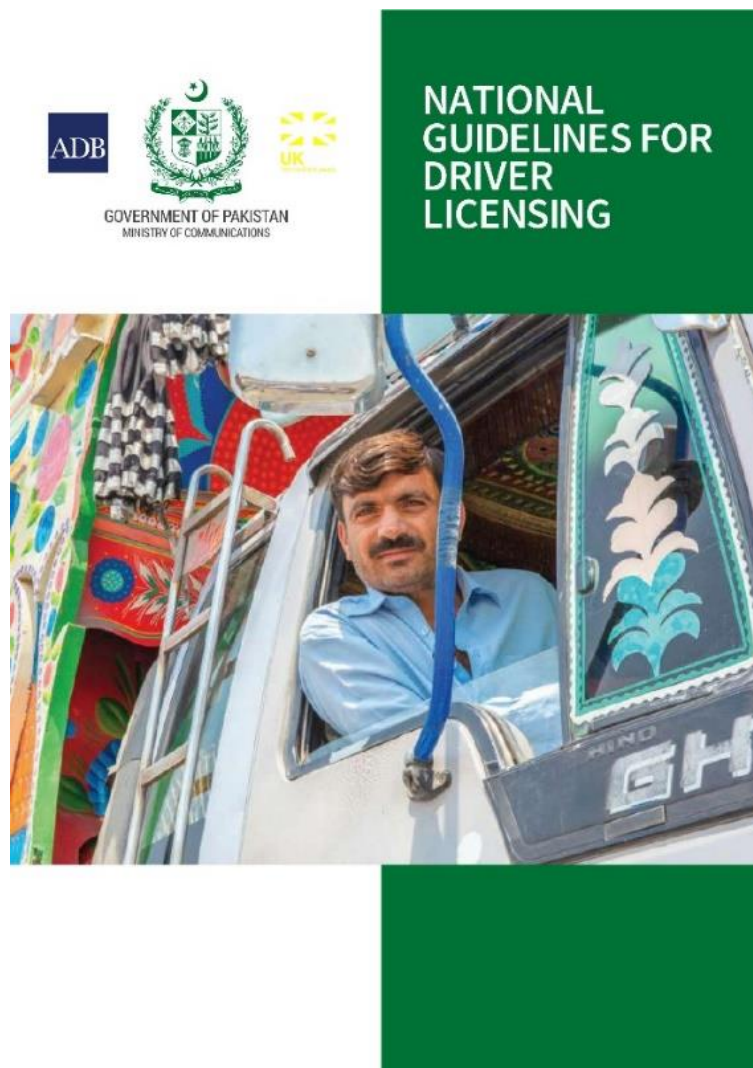
Key Implementations

- Data Collection and Analysis



Key Implementations

- Publication of National Guidelines
 - a. National Guidelines for Driver Licensing
 - b. National Guidelines for Vehicle Licensing
 - c. National Guidelines for Road Safety Engineering
 - d. National Guidelines for Post-Crash Response



Thanks!

PAKISTAN ROAD ASSESSMENT PROGRAM (PakRAP)

To help reduce the risk of deaths and serious injuries in Pakistan, the Asian Development Bank (ADB) invited iRAP to assist the National Highway Authority (NHA) to develop the Pakistan Road Assessment Program (PakRAP). The initiative includes developing Star Rating and Safer Roads Investment Plans for national highways and building local capacity to perform assessments and make use of the data produced to guide policy and investment. To accelerate knowledge exchange and capacity building, the ChinaRAP team, which has extensive experience in implementing the Highway Safety to Cherish Life project in China, has played a key role in the initiative.

The road survey and Star Rating Assessment of 10,666 kms of existing carriageway has been completed in three phases during July 2017 to Dec 2019.