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Road Safety Action Plan for Liberia 2018 - 2028



REPORT DETAILS

Project Name	Cardno-ITT Project No.	Document No.	Subject
Action Plan for Road Safety in Liberia 2018-2028	12002_RS	3	2 nd Draft

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1	Andy McLoughlin – Road Safety Expert & Samuel Wonasue – Project Co-ordinator	19 Jan 2018	Adam Andreski – Team Leader	19 Jan 2018
2	Andy McLoughlin – Road Safety Expert & Samuel Wonasue – Project Co-ordinator	25 Feb 2018	Adam Andreski – Team Leader	26 Feb 2018



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PART II - ROAD SAFETY ACTION PLAN

1. Introduction

This Road Safety Action Plan for the Republic of Liberia 2018 – 2028 has been developed through cooperation and collaboration across Government Ministries, Agencies, and other stakeholders.

It has been created to address the serious and worsening problem of road safety in Liberia, which is costing far too many lives and causing far too much damage to the economy of the country, with an estimated cost to the economy in 2017 of \$151 million USD, equivalent to 7% of GDP. In contrast, investment in road safety during the same period has been negligible.

Hence, implementation of this Action Plan is essential for the national economy and well-being of Liberians.

2. Implementation Strategy

The Action Plan itself is based on the assumption that the proposed Road Safety Secretariat, described in *Part I – Road Safety Action Plan for Liberia (Final Report)*, will be set up and functioning as the first step of this Action Plan.

Therefore, the Action Plan itself can be regarded as the Action Plan for delivery by the Road Safety Secretariat, operating out of the Ministry of Transport, but working with other Ministries, Agencies and Stakeholders across Liberian Society, and supported through Donor funding and associated Technical Assistance.

Encouraging implementation through the Secretariat will be absolutely essential to ensure the necessary skills and institutional knowledge is embedded within government in order to achieve the long-term sustainability of road safety improvements in Liberia.

As implementation continues to progress, the Action Plan will be updated periodically and hence may be considered as a *live document*.

3. Monitoring and Evaluating Implementation.

An initial monitoring framework has been developed for the Action Plan that should be reviewed by the Secretariat once operational. The Secretariat Co-ordinator will be responsible for its implementation.

4. Cost of the Road Safety Action Plan

The estimated cost of this Road Safety Action Plan is \$22.1 million USD over a period of 10 years. This amount will be reviewed annually as the Road Safety Action Plan is implemented.

- The Action Plan is included in Section 4 of this document.
- The initial framework for the monitoring of implementation is included in Section 5.
- An initial project plan covering the first 3 years of implementation is included in Section 6.

5. Road Safety Action Plan – 2018-2028

Ref	Component	START	END	(S)hort / (M)edium / (L)ong Term	Owner	Possible Donors / Partners	Cost (USD)
1	ROAD SAFETY MANAGEMENT						3,120,000
1.1	ESTABLISH AND OPERATE LEAD AGENCY FOR ROAD SAFETY	Apr-2018	Mar-2028	S	MoT	WB / AfDB / GIZ	1,740,000
1.2	DEVELOP ROAD SAFETY STRATEGY AND BUDGET	Jul-2018	May-2019	S	MoT	WB / AfDB / GIZ	35,000
1.3	DEVELOP COMPREHENSIVE APPROACH TO COLLECTING, REPORTING, ANALYSING & ACTING ON ROAD TRAFFIC CRASH DATA	Sep-2018	Aug-2023	М	LNP / MoJ	WB	1,250,000
1.4	SET TARGETS FOR ACHIEVING ROAD SAFETY GOALS	Sep-2018	Apr-2019	S	MoT	WB / AfDB / GIZ	15,000
1.5	UNDERTAKE BUDGETARY PLANNING	Sep-2018	Mar-2019	S	MoT	WB / AfDB / GIZ	20,000
1.6	DEVELOP SUSTAINABLE FUNDING FOR ROAD SAFETY	Oct-2019	Sep-2027	L	MoT	WB / AfDB / GIZ	60,000
2	SAFER ROADS AND MOBILITY						7,705,000
2.1	DEVELOP POLICY TO ENSURE NEW ROAD INFRASTRCUTURE IS SAFE FOR ALL ROAD USERS	May-2018	Sep-2019	S	MoT	GIZ	30,000
2.2	DEVELOP AND IMPLEMENT SAFE BY DESIGN PRINCIPLES FOR ROAD INFRASTRUCTURE	Jul-2018	Mar-2028	L	MPW	WB	6,175,000
2.3	INTRODUCE MANDATORY ROAD SAFETY AUDITING PRACTICES	Jul-2018	Jun-2021	S	MPW	WB	150,000
2.4	UNDERTAKE SAFETY ASSESSMENTS AND IMPROVEMENTS TO EXISTING ROAD INFRASTRUCTURE	Oct-2018	Mar-2026	L	MPW	GRSF	110,000
2.5	ENSURE THE SAFETY OF WORKERS AND ROAD USERS AT ROADWORKS	Apr-2019	Mar-2025	L	MPW	WB	90,000
2.6	DEVELOP AND IMPLEMENT LAND USE PLANNING GUIDANCE WHICH CONSIDERS ROAD SAFETY	Apr-2019	Mar-2023	М	MPW	WB	50,000
2.8	IMPLEMENT AXLE LOAD CONTROL	May-2018	Apr-2024	L	MoT	EU / GIZ	1,100,000
3	SAFER VEHICLES						6,045,000
3.1	REDEVELOP EXISTING VEHICLE REGULATIONS REGARDING IMPORT, SALE AND ROADWORTHINESS OF VEHICLES, AND IMPLEMENT	Apr-2018	Mar-2028	L	MoT	GIZ/WB	5,500,000
3.2	INCENTIVISE PURCHASE / USE OF SAFE VEHICLES BY VEHICLE OWNERS / DRIVERS	Apr-2019	Mar-2021	S	MoT	GIZ	300,000
3.3	CREATE NEW REGULATIONS REGARDING MINIMUM SAFETY FEATURES OF VEHICLES	Oct-2018	Jun-2019	S	MoT	GIZ	50,000
3.4	INCENTIVISE PURCHASE OF VEHCILES THAT MAKE USE OF ADVANCED TECHNOLOGIES, e.g. ABS, ESP	Jun-2019	Feb-2020	S	MoT	GIZ	75,000
3.5	IMPROVE CONSUMER INFORMATION ON VEHICLE SAFETY	Jun-2019	Feb-2020	S	MoT	GIZ	120,000
4	SAFER ROAD USERS						2,850,000
4.1	DESIGN AND IMPLEMENT ROAD SAFETY PUBLICITY CAMPAIGNS	Apr-2018	Mar-2021	S	MoT	WB / GIZ	300,000
4.2	IMPROVE THE EDUCATION, TRAINING AND TESTING ROAD USERS	Apr-2018	Mar-2026	L	MoE	WB / GIZ	1,250,000
4.3	IMPROVE ENFORCEMENT OF THE LAW REGARDING ROAD SAFETY	Jul-2018	Mar-2028	L	LNP/MoJ	GIZ	750,000
4.4	DEVELOP LEGAL INSTRUMENTS AND MANDATORY INSURANCE REQUIREMENTS FOR COMMERCIAL SECTOR	Mar-2019	Feb-2024	М	MoT	GIZ	50,000
4.5	IMPROVE SYSTEMS OF DRIVER LICENSING TO ENSURE ALL LICENSE HOLDERS ARE COMPETENT	Sep-2018	Aug-2022	М	MoT	WB / GIZ	500,000
5	POST-CRASH RESPONSE						2,400,000
5.1	IMPROVE POST-CRASH EMERGENCY RESPONSE	Apr-2018	Mar-2022	М	МоН	WB	750,000
5.2	IMPROVE TREATMENT OF RT INJURIES IN HOSPITALS AND CLINICS	Sep-2018	Aug-2026	L	МоН	WB	850,000
5.3	DEVELOP SYSTEMS FOR DEALING WITH PSYCHOLOGICAL AND LEGAL IMPLICATIONS OF CRASHES	Dec-2018	Sep-2020	S	MoT, LNP,	GIZ	250,000
5.4	IMPROVE INJURY REHABILITATION AND DISABILITY EQUALITY FOR CRASH VICTIMS	Jul-2018	Mar-2028	L	MoT, MoH	GIZ	550,000
						TOTAL	22,120,000

6. Monitoring Framework for Road Safety Action Plan – 2018-2028

Ref	Component	Performance Indicator
1	ROAD SAFETY MANAGEMENT	
1.1	ESTABLISH AND OPERATE LEAD AGENCY FOR ROAD	P1.1.1. Lead Agency designated and related secretariat established
1.1	SAFETY	P1.1.2. Legal status of Secretariat established
		P1.2.1. Projects for implementation clearly identified
		P1.2.2. Partnership coalitions established and functioning;
1.2	DEVELOP ROAD SAFETY STRATEGY AND BUDGET	P1.2.3. Proposals for establishing and maintaining the data collection systems necessary to provide accident and injury data well-defined
		P1.3.1. Operational road safety / traffic unit to monitor and improve the safety of the road network functioning
	DEVELOR COMPREHENSIVE APPROACH TO COLLECTING	P1.3.2. Number and location of deaths and injuries by road user type are being recorded nationally
1.3	DEVELOP COMPREHENSIVE APPROACH TO COLLECTING, REPORTING, ANALYSING & ACTING ON ROAD TRAFFIC CRASH DATA	P1.3.3. Blackspot analysis and remedial action thereof has become normal practice
		P1.3.4. Crash investigation for all fatal incidents has become normal practice
		P1.3.5. National and local systems to measure, monitor and report road traffic deaths, injuries and crashes are established
1.4	SET TARGETS FOR ACHIEVING ROAD SAFETY GOALS	P1.4.1. Clearly defined SMART targets have been set and are being monitored
1.5	UNDERTAKE BUDGETARY PLANNING	P1.5.1. Annual and medium-term budgeting are part of normal practice
1.6	DEVELOP SUSTAINABLE FUNDING FOR ROAD SAFETY	P1.6.1. Sources for funding road safety have been identified
1.0	DEVELOT SOSTATIVABLE FORDING FOR ROAD SALETT	P1.6.2. Funding for road safety has been established
2	SAFER ROADS AND MOBILITY	
2.1	DEVELOP POLICY TO ENSURE NEW ROAD INFRASTRCUTURE IS SAFE FOR ALL ROAD USERS	P2.1.1 10% of road budget is dedicated to road safety P2.1.2. Policy has been developed that considers the needs of less-
		abled road users
		P2.2.1. All new road signs are in accordance with Liberia Traffic Signs Manual (2017)
2.2	DEVELOP AND IMPLEMENT SAFE BY DESIGN PRINCIPLES FOR ROAD INFRASTRUCTURE	P2.2.2. Safe design standards have been adopted that consider all road user types
		P2.2.3. Road Authority has legal responsibility for providing safe road infrastructure
2.3	INTRODUCE MANDATORY ROAD SAFETY AUDITING PRACTICES	P2.3.1. Road safety auditing has become part of normal practice
	UNDERTAKE SAFETY ASSESSMENTS AND IMPROVEMENTS	P2.4.1. Safety assessments existing road infrastructure have been undertaken
2.4	TO EXISTING ROAD INFRASTRUCTURE	P2.4.2. Remedial measures to correct unsafe infrastructure have been undertaken
2.5	ENSURE THE SAFETY OF WORKERS AND ROAD USERS AT ROADWORKS	P2.5.1. No road safety incidents are reported at road works
	DEVELOP AND IMPLEMENT LAND USE PLANNING	P2.6.1. Road safety guidance has been incorporated into land-use
2.6	GUIDANCE WHICH CONSIDERS ROAD SAFETY	planning requirements
2.6		planning requirements P2.7.1. Road safety research undertaken in Liberia being shared nationally, regionally and internationally
2.6		P2.7.1. Road safety research undertaken in Liberia being shared
	GUIDANCE WHICH CONSIDERS ROAD SAFETY	P2.7.1. Road safety research undertaken in Liberia being shared nationally, regionally and internationally P2.7.2. Road safety research regarding improving road safety in

Ref	Component	Performance Indicator								
3	SAFER VEHICLES									
3.1	REDEVELOP EXISTING VEHICLE REGULATIONS REGARDING IMPORT, SALE AND ROADWORTHINESS OF	P3.1.1. Appropriate safety regulations regarding import have been adopted								
	VEHICLES AND IMPLEMENT	P3.1.2. Vehicles on the roads are being tested on an annual basis								
3.2	INCENTIVISE PURCHASE / USE OF SAFE VEHICLES BY	P3.2.1. Increase in the proportion of vehicles imported that have higher levels of occupant safety								
	VEHICLE OWNERS / DRIVERS	P3.2.2. Increase in the proportion of commercial vehicles in use that have higher levels of occupant safety								
3.3	CREATE NEW REGULATIONS REGARDING MINIMUM SAFETY FEATURES OF VEHICLES	P3.3.1. Regulations regarding import of motor vehicles with seat- belts and anchorages that meet Regulations and crash test standards are in force								
3.4	INCENTIVISE PURCHASE OF VEHCILES THAT MAKE USE OF									
	ADVANCED TECHNOLOGIES, e.g. ABS, ESP	P3.4.2. Increase in proportion of vehicles imported with higher pedestrian impact safety ratings								
3.5	IMPROVE CONSUMER INFORMATION ON VEHICLE SAFETY	P3.5.1. Consumer information about the safety performance of motor vehicles is widespread								
4	SAFER ROAD USERS									
4.1	DESIGN AND IMPLEMENT ROAD SAFETY PUBLICITY CAMPAIGNS	P4.1.1. Highly visible marketing campaigns promoting road safety have been implemented								
		P4.2.1. Road safety education and training in schools is being								
4.2	IMPROVE THE EDUCATION, TRAINING AND TESTING ROAD USERS	delivered P4.2.2. Road safety training materials and training for operators for all vehicle types have been developed and are being delivered								
		P4.2.3. Driving test for all vehicle types has been created to								
4.3	IMPROVE ENFORCEMENT OF THE LAW REGARDING	appropriate standard and is being undertaken P4.3.1. Increased compliance with relevant laws & rules evidenced								
	ROAD SAFETY	through higher numbers of prosecutions for motoring offences P4.4.1. Insurance of commercial vehicles for the appropriate level								
	DEVELOP LEGAL INSTRUMENTS AND MANDATORY	of cover has become mandatory								
4.4	INSURANCE REQUIREMENTS FOR COMMERCIAL SECTOR	P4.4.2. Uniform road traffic rules have been adopted P4.4.3. International mutual recognition of insurance, e.g. green								
		card system.								
4.5	IMPROVE SYSTEMS OF DRIVER LICENSING TO ENSURE	P4.5.1. Graduated license system has been adopted								
4.5	ALL LICENSE HOLDERS ARE COMPETENT	P4.5.2. Robust systems for driver licensing are in place								
5	POST-CRASH RESPONSE									
5.1	IMPROVE POST-CRASH EMERGENCY RESPONSE	P5.1.1. Clear policy and practice for extraction of victims following crash has been developed and publicised nationally								
5.5		P5.1.2. Functioning national phone number for emergencies is operational 24/7								
5.2	IMPROVE TREATMENT OF RT INJURIES IN HOSPITALS	P5.2.1. Appropriate hospital trauma care systems have been developed and implemented								
3.2	AND CLINICS	P5.2.2. national and local systems to measure, monitor and report exposure to road traffic injuries established and functional								
		P5.3.1. Mandatory third-party liability insurance for all vehicle types								
5.3	DEVELOP SYSTEMS FOR DEALING WITH PSYCHOLOGICAL AND LEGAL IMPLICATIONS OF CRASHES	P5.3.2. Legal response to road deaths and injuries is accessible to crash victims								
		P5.3.3. Bereavement support to survivors / relatives of crash victims is available								
5.4	IMPROVE INJURY REHABILITATION AND DISABILITY	P5.4.1. Injury rehabilitation for crash victims has become normal practice								
3.4	EQUALITY FOR CRASH VICTIMS	P5.4.2. Proportion of people in employment with disabilities as a result of crashes has increased								

7. Project Plan for Implementation during first 3 years

														N	Mont	h												
Ref	Component	Apr-18	Jun-18	Jul-18	Aug-18	3ep-18 Oct-18	Nov-18	Dec-18	Jan-19 Feb-19	Mar-19	Apr-19 May-19	Jun-19	Jul-19	Aug-19	Sep-19	Nov-19	Dec-19	Jan-20	rep-20	Apr-20	May-20	Jun-20	Aug-20	Sep-20	Oct-20	Dec-20	Jan-21	reb-21 Mar-21
1	ROAD SAFETY MANAGEMENT																											
1.1	ESTABLISH AND OPERATE LEAD AGENCY FOR ROAD SAFETY																											
1.2	DEVELOP ROAD SAFETY STRATEGY AND BUDGET																											
1.3	DEVELOP COMPREHENSIVE APPROACH TO COLLECTING, REPORTING, ANALYSING & ACTING ON ROAD TRAFFIC CRASH DATA																											
1.4	SET TARGETS FOR ACHIEVING ROAD SAFETY GOALS																											
1.5	UNDERTAKE BUDGETARY PLANNING																											
1.6	DEVELOP SUSTAINABLE FUNDING FOR ROAD SAFETY																											
2	SAFER ROADS AND MOBILITY																											
2.1	DEVELOP POLICY TO ENSURE NEW ROAD INFRASTRCUTURE IS SAFE FOR ALL ROAD USERS																											
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2.3	INTRODUCE MANDATORY ROAD SAFETY AUDITING PRACTICES																											
2.4	UNDERTAKE SAFETY ASSESSMENTS AND IMPROVEMENTS TO EXISTING ROAD INFRASTRUCTURE																											
2.5	ENSURE THE SAFETY OF WORKERS AND ROAD USERS AT ROADWORKS																											
2.6	DEVELOP AND IMPLEMENT LAND USE PLANNING GUIDANCE WHICH CONSIDERS ROAD SAFETY																											
2.7	RESEARCH AND DEVELOPMENT																											
2.8	IMPLEMENT AXLE LOAD CONTROL																											



	Month														\neg																	
Ref	Component	Apr-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	lun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	ren-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	OCt-20	Dec-20	Jan-21	Feb-21	Mar-21
3	SAFER VEHICLES																															
3.1	REDEVELOP EXISTING VEHICLE REGULATIONS REGARDING IMPORT, SALE AND ROADWORTHINESS OF VEHICLES																															
3.2	INCENTIVISE PURCHASE / USE OF SAFE VEHICLES BY VEHICLE OWNERS / DRIVERS																															
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3.5	IMPROVE CONSUMER INFORMATION ON VEHICLE SAFETY																															
4	SAFER ROAD USERS																															
4.1	DESIGN AND IMPLEMENT ROAD SAFETY PUBLICITY CAMPAIGNS																															
4.2	IMPROVE THE EDUCATION, TRAINING AND TESTING ROAD USERS																															
4.3	IMPROVE ENFORCEMENT OF THE LAW REGARDING ROAD SAFETY																															
4.4	DEVELOP LEGAL INSTRUMENTS AND MANDATORY INSURANCE REQUIREMENTS FOR COMMERCIAL SECTOR																															
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