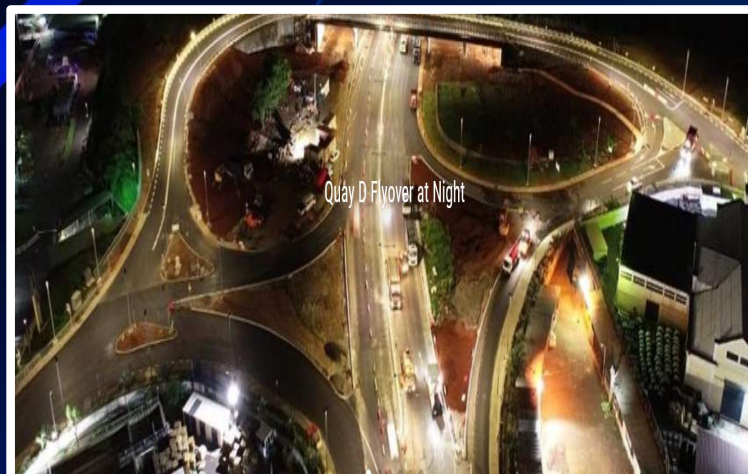




Road Infrastructure in Mauritius



September 2023

Presenter : Mr Nazeer Mowlabaccus, General Manager, RDA

Mauritian delegation headed by:

**The Hon Mahendranuth Sharma HURREERAM Minister of
National Infrastructure and Community Development**



**Mauritius
Development**

**Mauritius
Infrastructure**

**Strategic Road
Network**

**Projects
M4 & M5
Motorway**

**Way
Forward**

Mauritius Development

Mauritius Infrastructure

Strategic Road Network

M4 & M5 Motorway

Way forward

Mauritius is an island country, located some 500 miles east of Madagascar in the middle of the Indian Ocean





Mauritius Key facts

Mauritius - Facts

Total land Area 2,040 km²

Maritime Area 2,300,000 km²

Water (%) 0.07

Population 1.3 million

GDP (PPP): \$25.9 billion
3.4% growth

3.4% 5-year compound
annual growth

\$20,422 per capita



Port Louis Capital of Mauritius

- World Economic Forum - Global Competitiveness Index (2019)

Infrastructure Pillar:

Mauritius

2019 - 64th (score = 68.7)

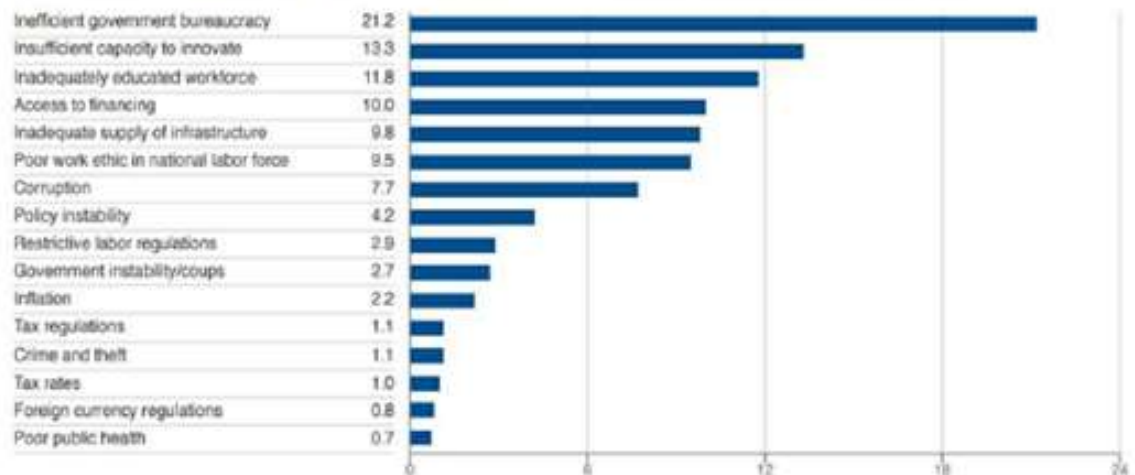
- Increasing Vehicle Fleet 31.8% increase from 2015 to 2021 (CSO)

- Need to increase road connectivity

ENABLING FACTORS

Most problematic factors for doing business

Source: World Economic Forum, Executive Opinion Survey 2017



INFRASTRUCTURE PILLAR

Mauritius

52nd/141

Index Component	Value	Score *	Rank/141	Best Performer
2nd pillar: Infrastructure 0-100	-	68.7 ↑	64	Singapore
Transport infrastructure 0-100	-	49.1 ↓	72	Singapore
2.01 Road connectivity 0-100 (best)	36.3	36.3	136	Multiple (3)
2.02 Quality of road infrastructure 1-7 (best)	4.7	61.4 ↑	43	Singapore
2.03 Railroad density km/1,000 km ²	n/a	n/a	n/a	Multiple (24)
2.04 Efficiency of train services 1-7 (best)	not assessed	n/a	n/a	Japan
2.05 Airport connectivity score	16,860.2	37.6 =	86	Multiple (8)
2.06 Efficiency of air transport services 1-7 (best)	5.0	66.5 ↑	53	Singapore
2.07 Liner shipping connectivity 0-100 (best)	34.5	34.5 ↑	53	Multiple (5)
2.08 Efficiency of seaport services 1-7 (best)	4.5	58.0 ↑	56	Singapore



Mauritius -Development

- 2450 km of existing roads of which 1200km of classified roads which connect the major towns and villages on the island.

- Major road construction project Underway.

- 1) A1-M1 Bridge
- 2) Flic en flac bypass from Pierrefond to Xavier
- 3) Interchange construction A14 and M3
- 4) Construction of a Bridge at Baie du Tombeau (in lieu of Pont Bruniquel)
- 5) La vigie-beaux songes link road (Phase 2)
- 6) La vigie – la brasserie – beaux songes link road – Phase 1
- 7) Design – Build/Turnkey for Countermeasure Works to Slope Failure at Batelage, Souillac
- 8) Flyover at Wooton





The Road Development Authority

The Road Development Authority (RDA), is the Highway Authority responsible for for main roads in Mauritius. It operates under the aegis of the Ministry of National Infrastructure and Community Development.

The RDA is headed by a General Manager.



Infrastructure under the aegis of RDA

1,200 km of main roads including 99 km of expressways.

The number of vehicles per km of road is above 200 –(4th in the world)

Road Decongestion Programme still under way namely with Korean Consultancy for the A1-M1 Bridge





Future Planning Strategic Road Network



Legend Color Code

- Red: Completed Project
- Green: Ongoing Projects
- Blue: Identified Future Project
- Dotted: New future project



Construction phase

The most important project which will be tendered in the year to come is the Motorway M4

PROPOSED PROJECT

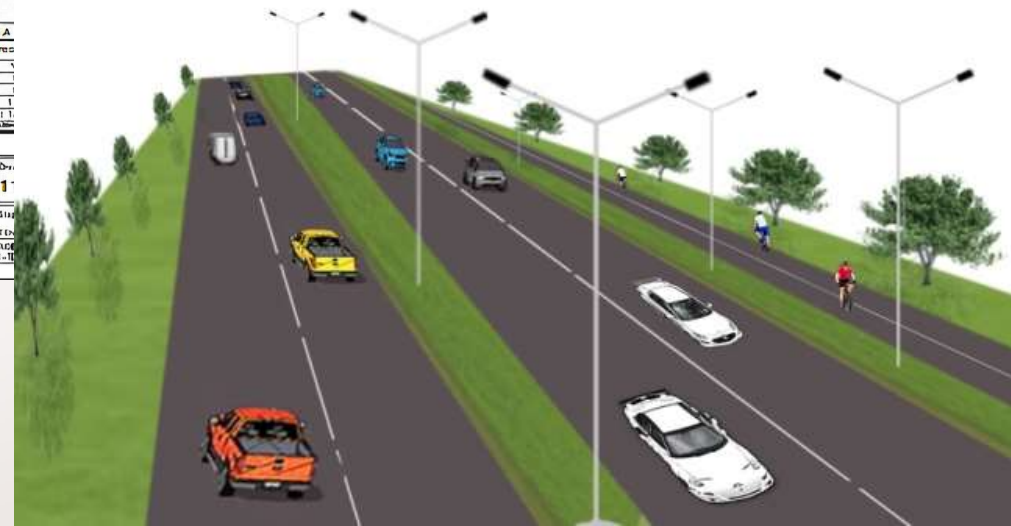
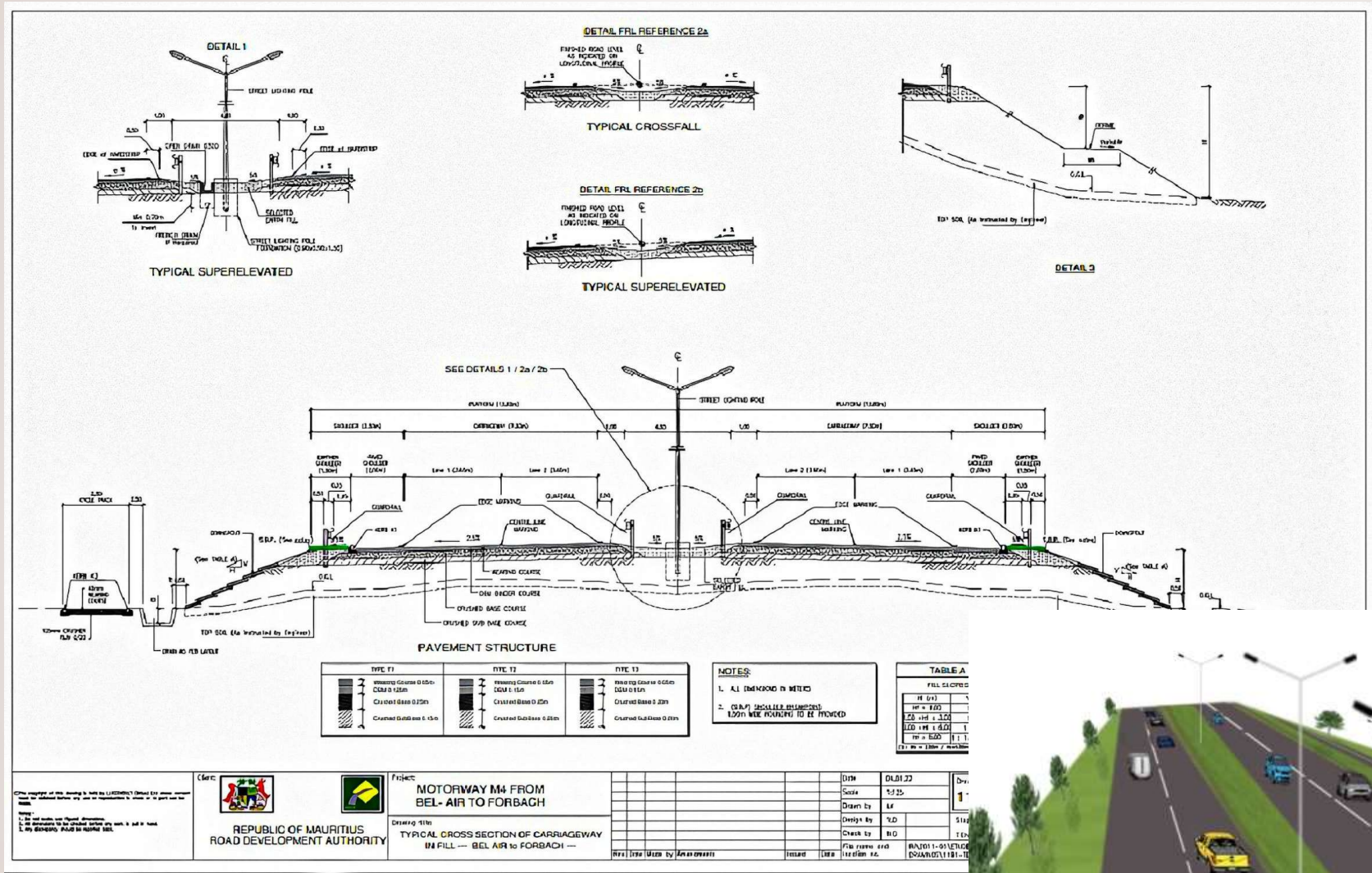
- 29.7 km of dual carriageway, each carriageway consisting of 7.3m wide asphalted road, 2m wide shoulders, 4m wide central verge
- Flyover including sliplanes and roundabouts at interface with M2 Motorway at Forbach
- 9 river bridges
- 1 bridge at Cottage due to existing flooding problem
- 1 bridge at Pont Blanc due to lava tunnel
- 3 nos. grade separated junctions
- 12 nos. roundabouts
- 2 underpass and 1 overpass
- 83 nos. culverts





New project short term M4 Motorway

Construction phase



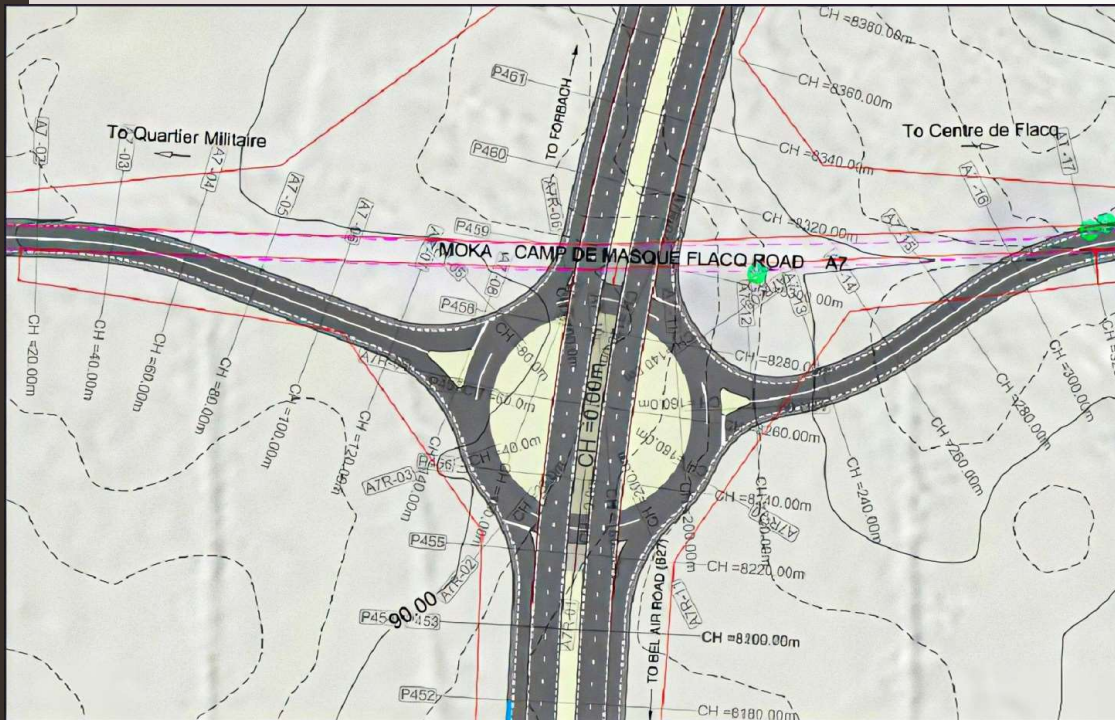
Typical Road Section (Cut)



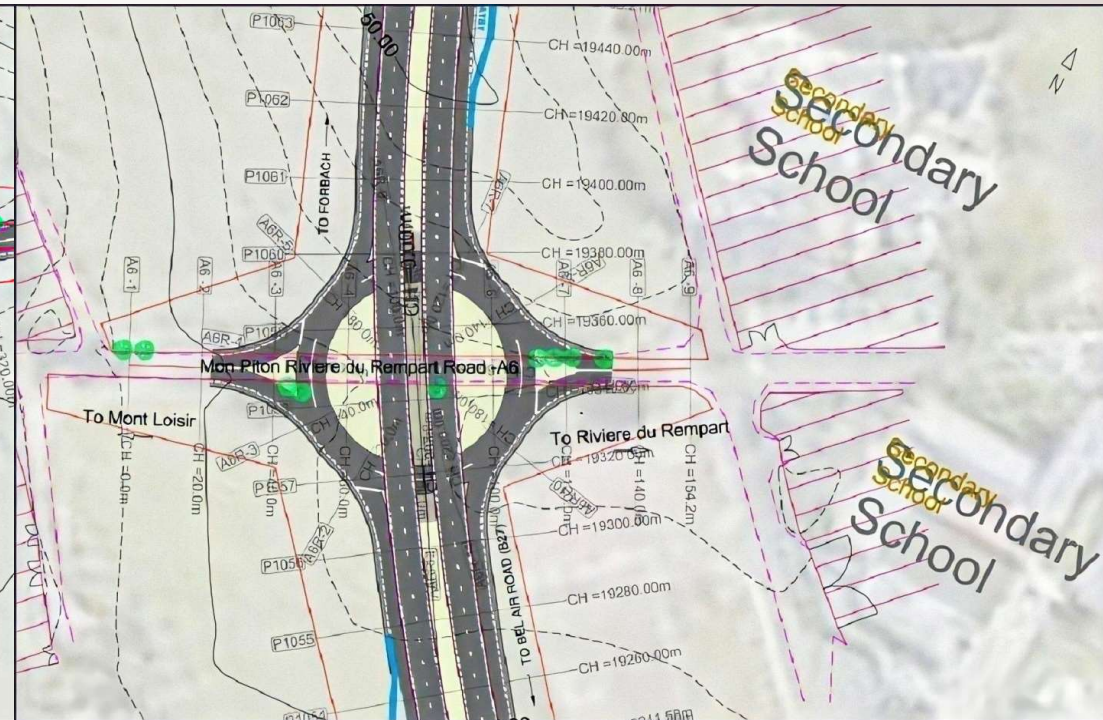
New project short term M4 Motorway

Construction phase

Grade Separated Interchanges at A7 & A6



Moka- Camp de Masque Flacq
A7 Road





New project short term M4 Motorway

Construction phase

Summary of Bridges

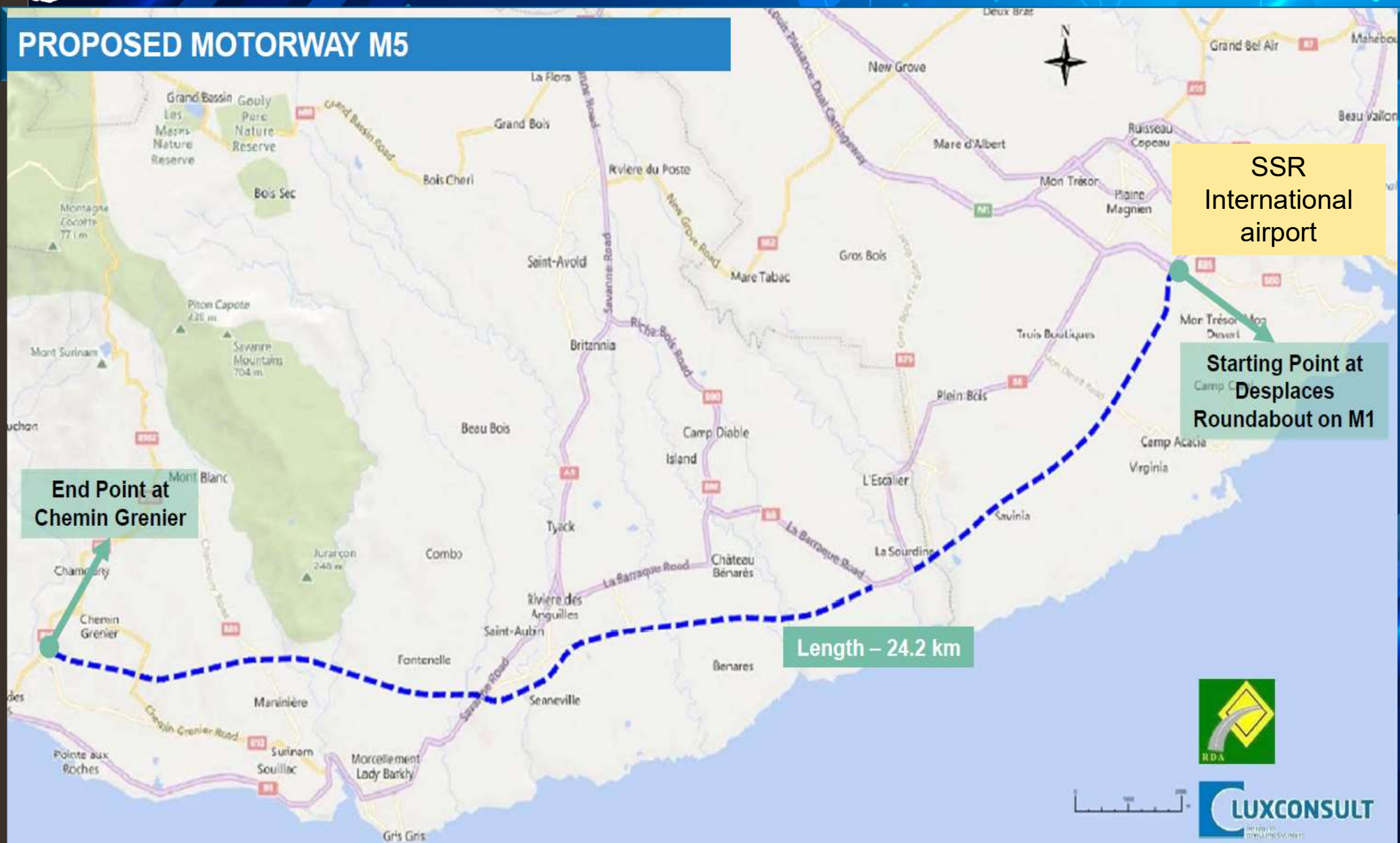
LOT	BRIDGE(OLD)	BRIDGE (NEW)	CHAINAGE	BRIDGE LENGTH (OLD)	BRIDGE LENGTH (NEW)
1	Deep River No.1	Pont Lardier	165	75 (5 x 15 m)	75 (5 x 15 m)
2	Riviere Seche	Riviere Seche	1,560	60 (3 x 20 m)	60 (3 x 20 m)
3	Overpass	Overpass	3,720	35 (2 x 17.5 m)	35 (2 x 17.5 m)
4	Underpass	Underpass	6,100	10 (1 x 10 m)	10 (1 x 10 m)
5	Coignard River	Coignard River	7,535	30 (2 x 15 m)	30 (2 x 15 m)
6	Cere River	Cere River	8,480	55 (2 x 17.5 m + 20 m)	60 (3 x 20 m)
7	Riviere du poste de Flacq	Riviere du poste de Flacq	9,895	50 (2 x 15 m + 20 m)	60 (3 x 20 m)
8	Francoise River	Francoise River	11,240	20 (1 x 20 m)	40 (2 x 20 m)
9	Barbe River	Barbe River	12,820	23 (1 x 23 m)	40 (2 x 20 m)
10	Riviere du Rempart No.1	Riviere du Rempart No.1	19,115	30 (2 x 15 m)	30 (2 x 15 m)
11	Riviere du Rempart No.2	Riviere du Rempart No.2	19,700	38 (23 + 15 m)	40 (2 x 20 m)
12	Underpass	Underpass	22,820	10 (1 x 10 m)	10 (1 x 10 m)
13	Forbach Flyover	Grade separator Forbach	29,697		38 (18 m + 20 m)



New Project- Medium term M5 Motorway

Feasibility & Design Phase

PROPOSED MOTORWAY M5



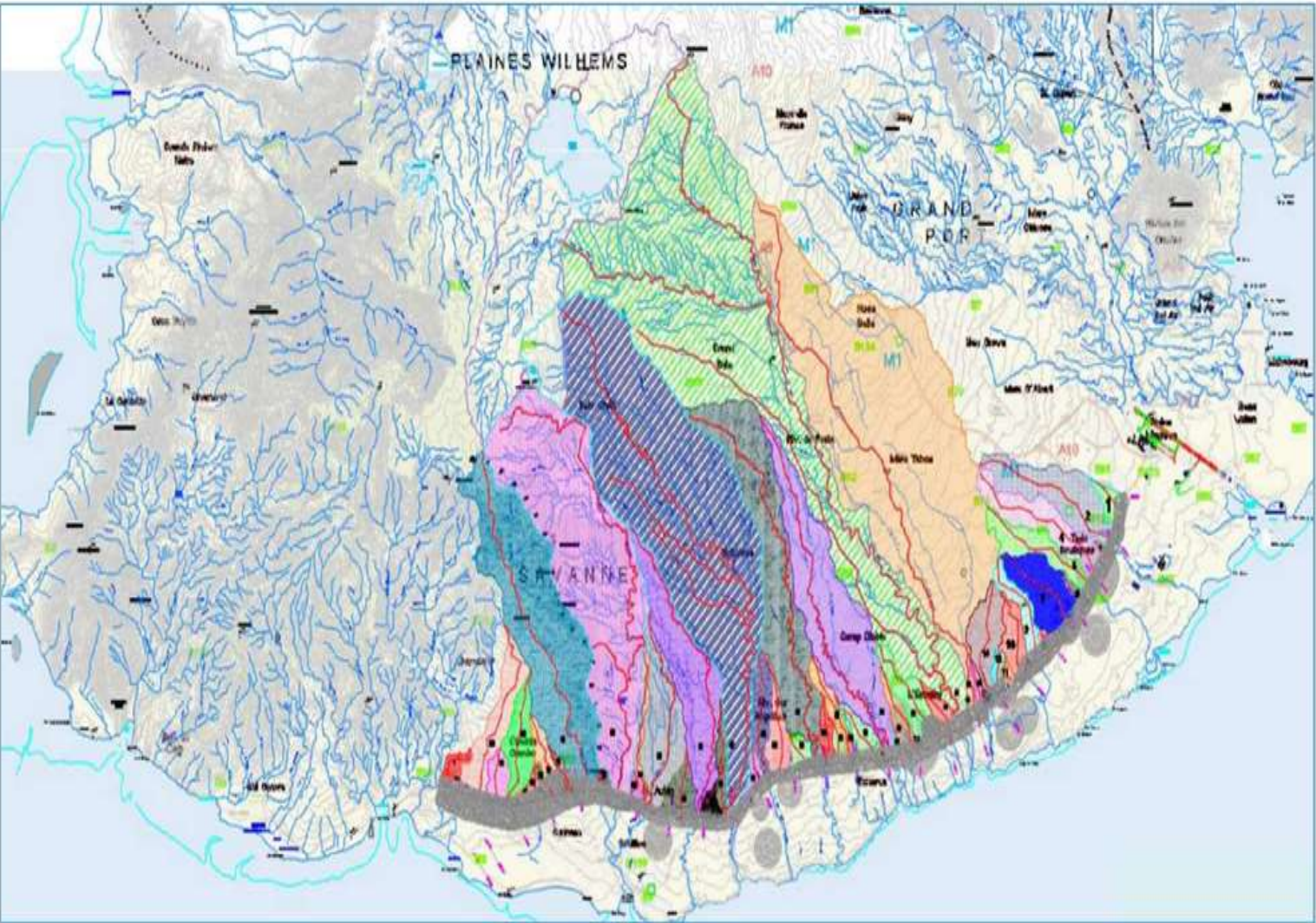


**New Project-
Medium term
M5 Motorway**

Feasibility & Design Phase

Major Catchments and Proposed Drainage Structures:

- Design in line with LDA Guidelines with adequate freeboard and revised return periods



Type of Structure	Structure Proposed
Roadside Drains	D500
	D700
	T500
	T700
	T1000
	T1300
	T1500
	E1 Earth Catchwater Drains
	M1 & M2 Lined Catchwater Drains
Culverts	25 nos.
Bridges	15 nos. (1 Existing Bridge)



Procurement Legislation

- Public Procurement Act
- Public Procurement Office ---- <https://publicprocurement.govmu.org/publicprocurement/>
- Central Procurement Board----<https://cpb.govmu.org/SitePages/Index.aspx>
- Institutions to ensure transparency and accountability in Procurement Process

Regulator of Contractors

- Construction Industry Development Board CIDB -----<https://www.cidb.mu/>



Possible Collaboration in Infrastructure Development with RDA

- Funding of projects for coming financial year
- Technical assistance including contractors to bid for the M4 motorway.
- Technical assistance including contractors to bid for the M5 motorway
- Implementation of Road Asset Management
- Upgrading of existing infrastructure for resilience



Video of A1-M1 Bridge

- The A1-M1 Bridge is a major bridge being constructed in Mauritius with the participation of the Korea Expressway Corporation



감사합니다!
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THANK YOU

