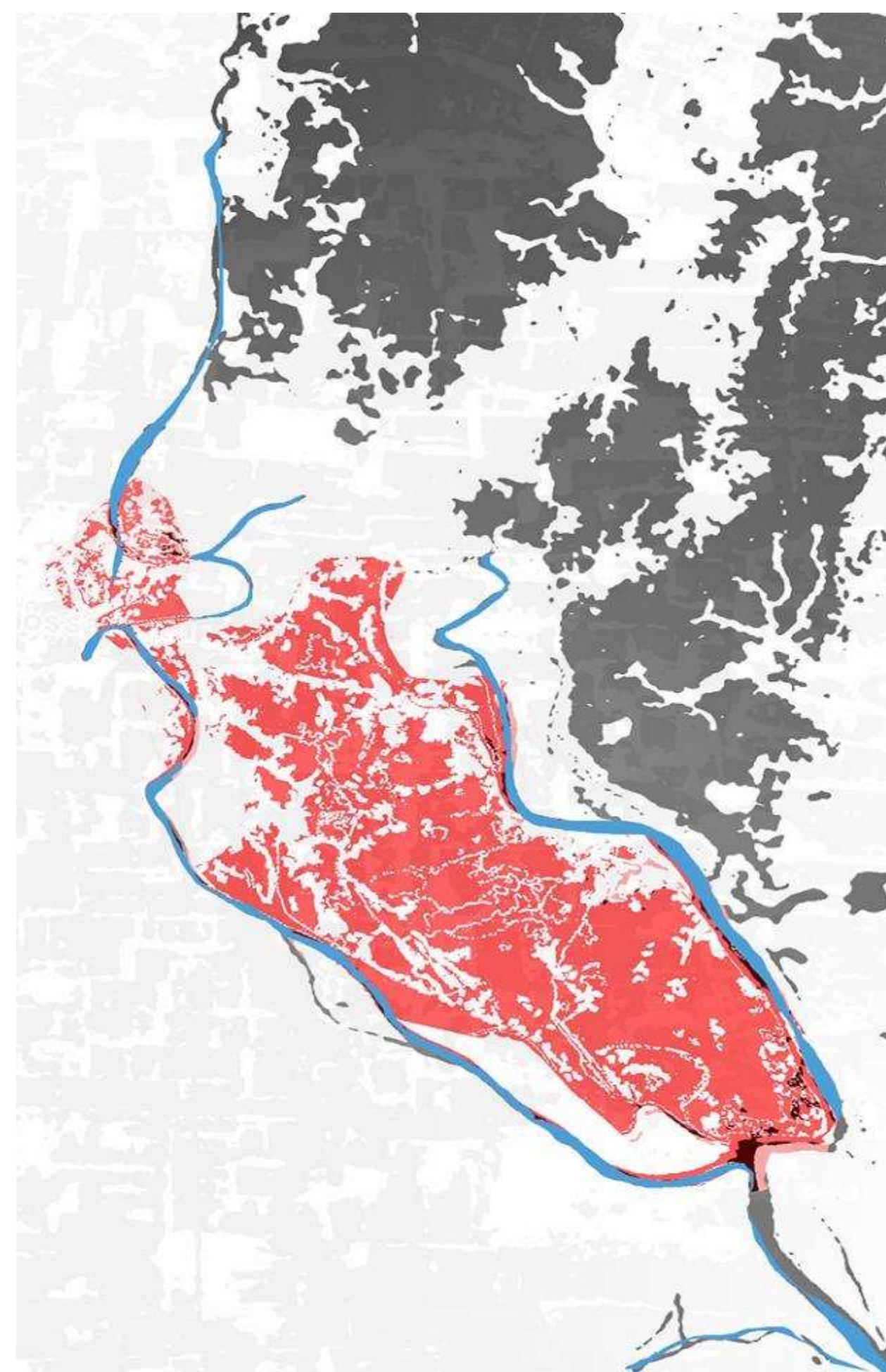


Presentation on
Action Area Plan of
Keranigonj Upazilla



- Keraniganj Proposed Land-Use
- Roads & Intersection design
- Water Connectivity & Multimodal Terminal
- Sheikh Hasina Smart City
- Other Projects at Keraniganj



Keraniganj Proposed Land-Use

Roads & Intersection design

Water Connectivity & Multimodal Terminal

Sheikh Hasina Smart City

Other Projects at Keraniganj



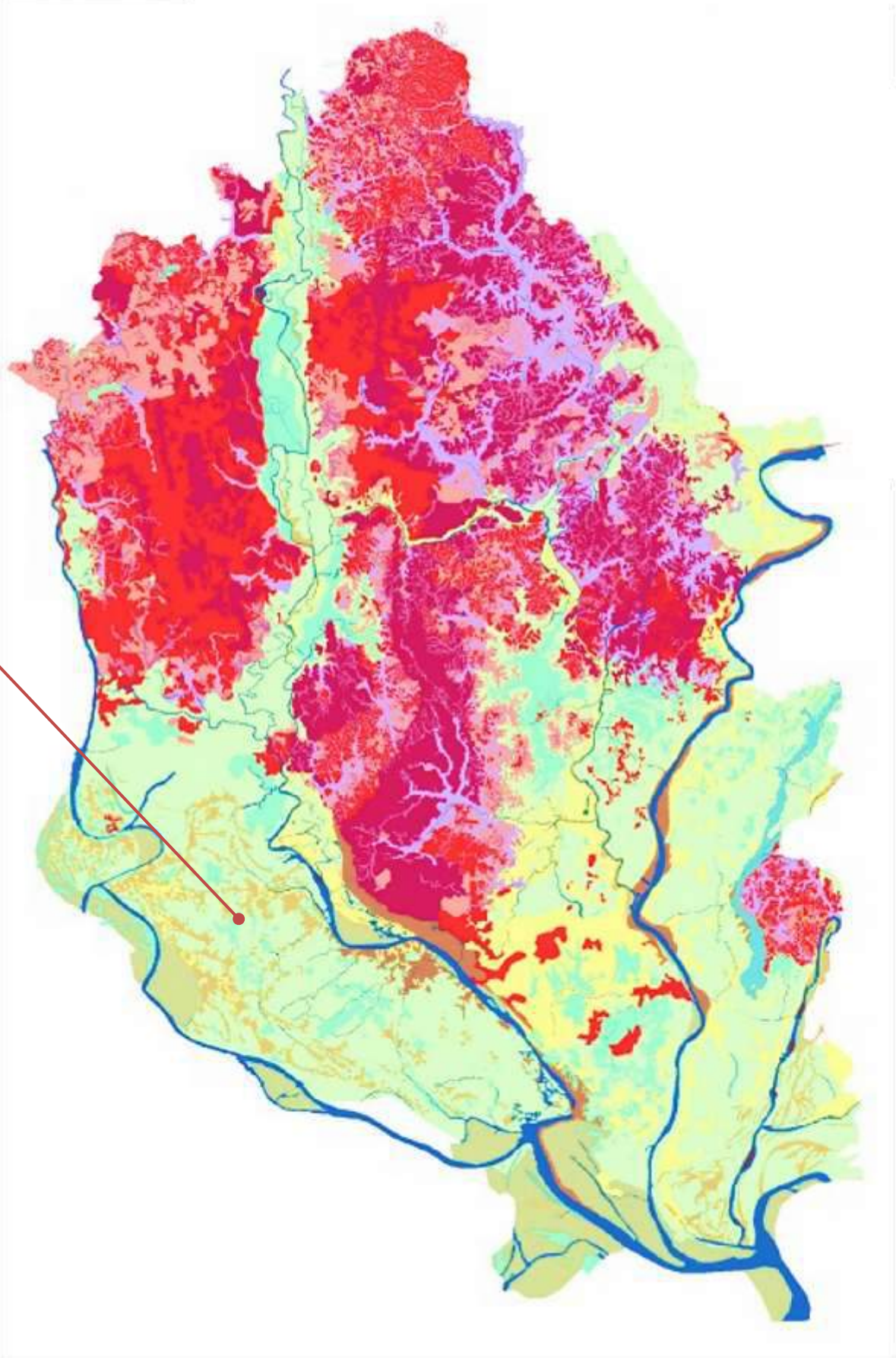
Geological Map Of Dhaka Structure Plan Area

Floodplain and Marshy Lands

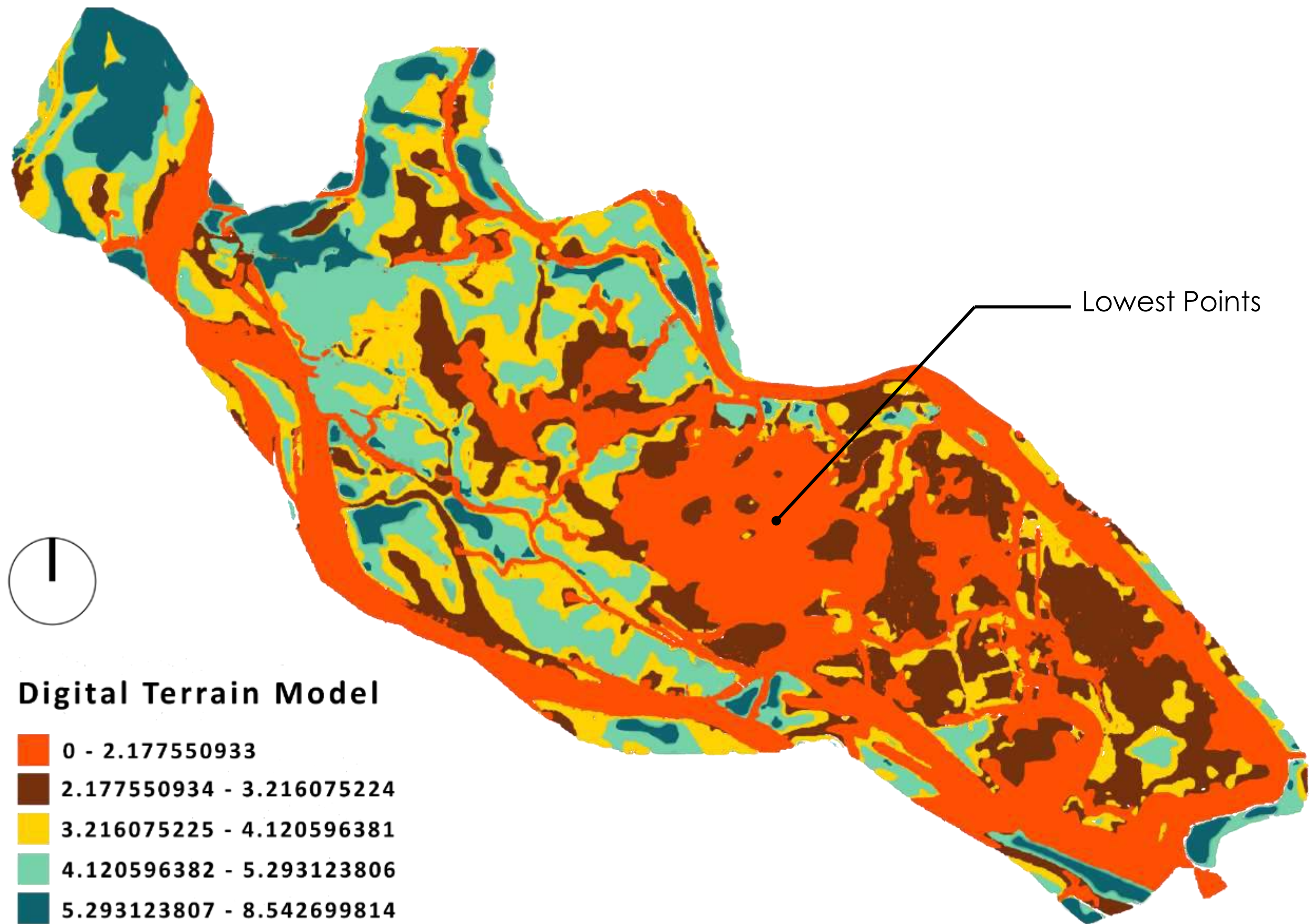


Geological Unit

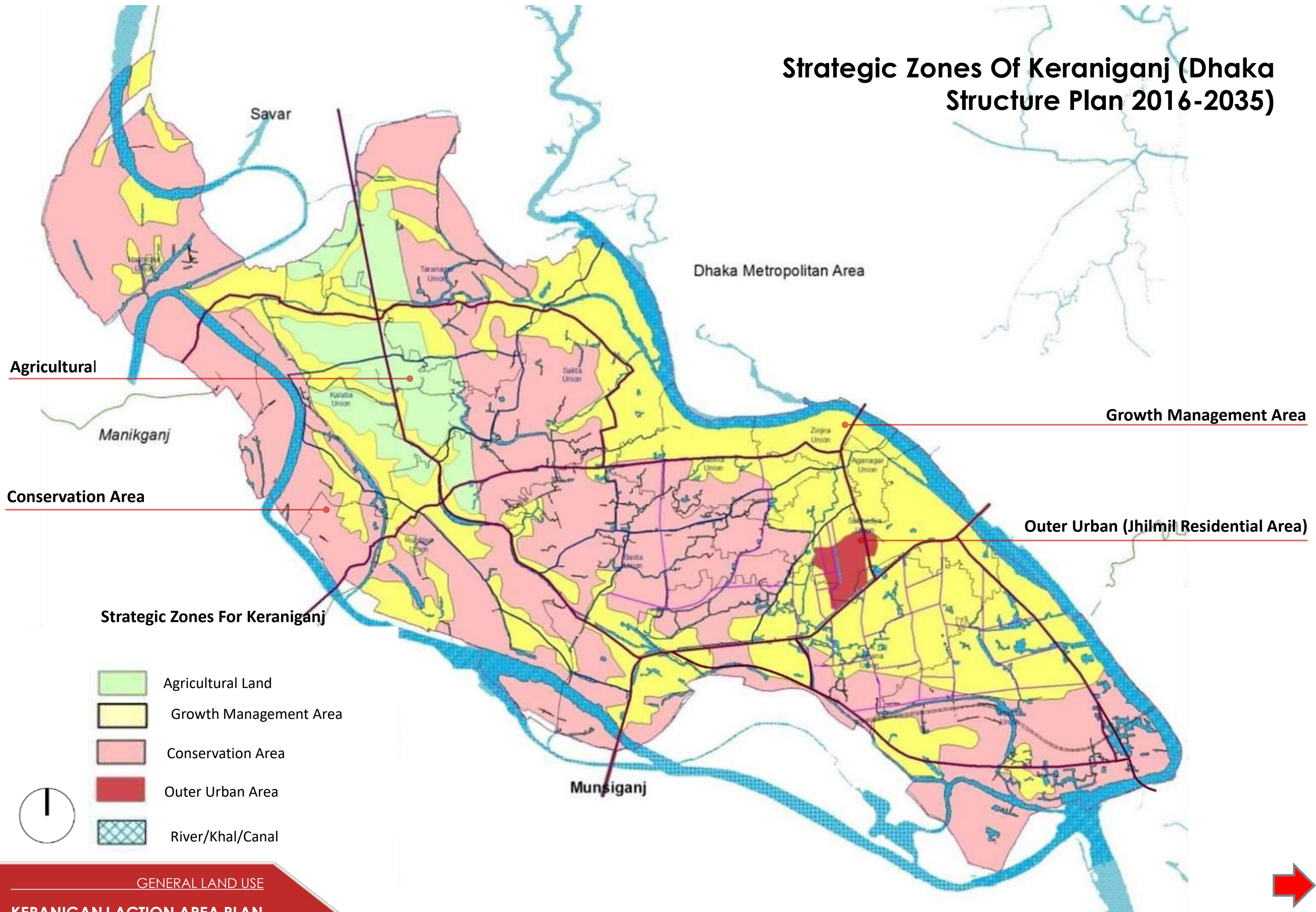
- | | | | |
|--|---------------------------|---|-----------------------|
|  | River/Channel |  | Low Floodplain |
|  | Madhupur Terrace (high) |  | Marshy Land |
|  | Madhupur Terrace (middle) |  | Abandoned Channel |
|  | Madhupur Terrace (low) |  | Oxbow Lake |
|  | Narrow Valley / Gully |  | Old Natural Levee |
|  | Broad Valley |  | Younger Natural Levee |
|  | High Floodplain |  | Point bar Complex |
| | |  | Channel bar |



Digital Terrain Model (DTM) of Keraniganj Upazila, Dhaka



Strategic Zones Of Keraniganj (Dhaka Structure Plan 2016-2035)

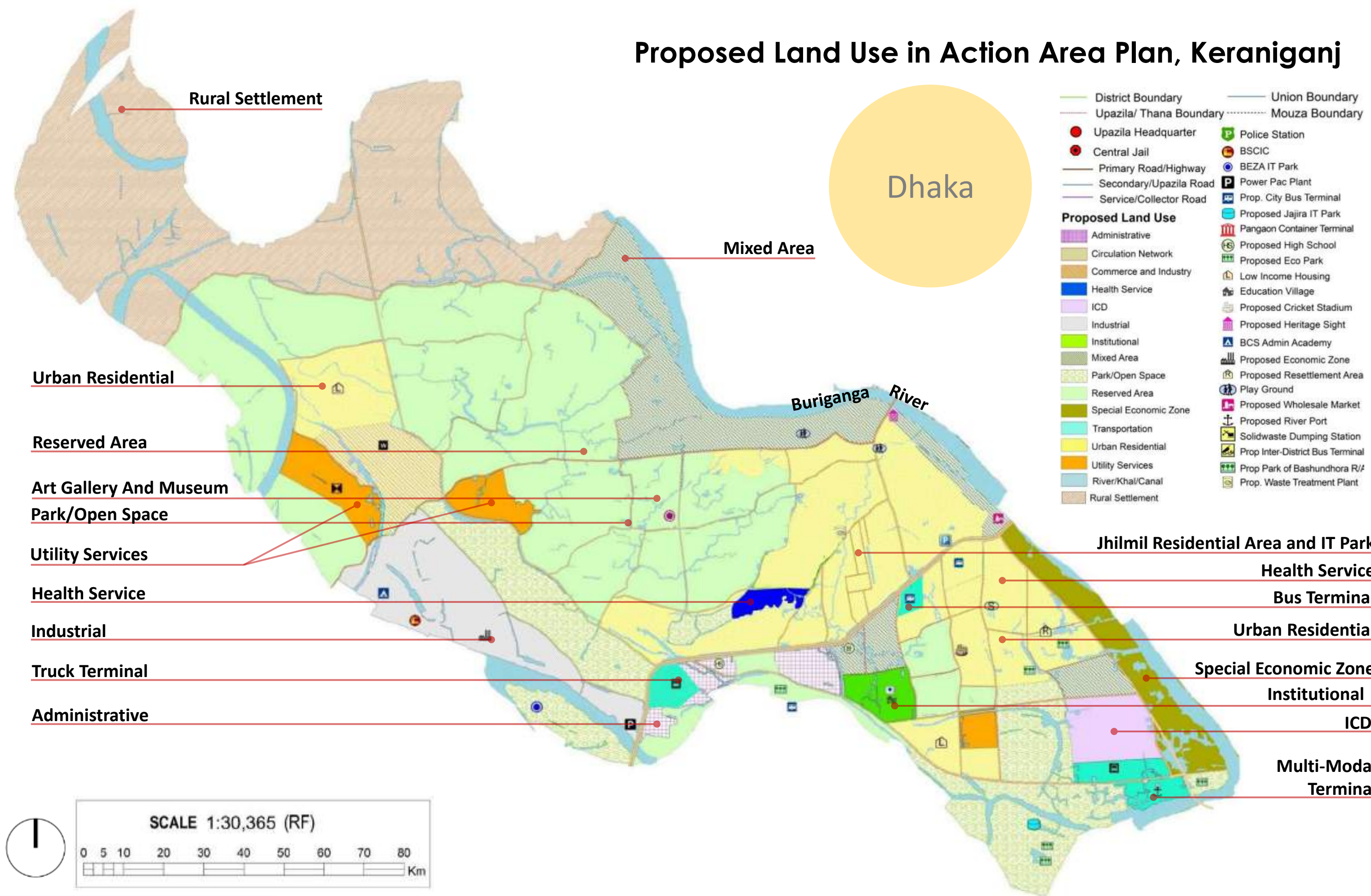


GENERAL LAND USE

KERANIGANJ ACTION AREA PLAN



Proposed Land Use in Action Area Plan, Keraniganj



Keraniganj Proposed Land-Use

Roads & Intersection design

Water Connectivity & Multimodal Terminal

Sheikh Hasina Smart City

Other Projects at Keraniganj



- Outer Ring Roads
- MRT BRT Network
- Expressway Network
- Rail Network

All Transport Networks connecting
Dhaka and Keraniganj

Manikgonj

Dhaka Structure
Plan Boundary



Hemayetpur

Savar

Ashulia

Joydebpur

Tongi

Purbachal

Narsingdi

Bhulta

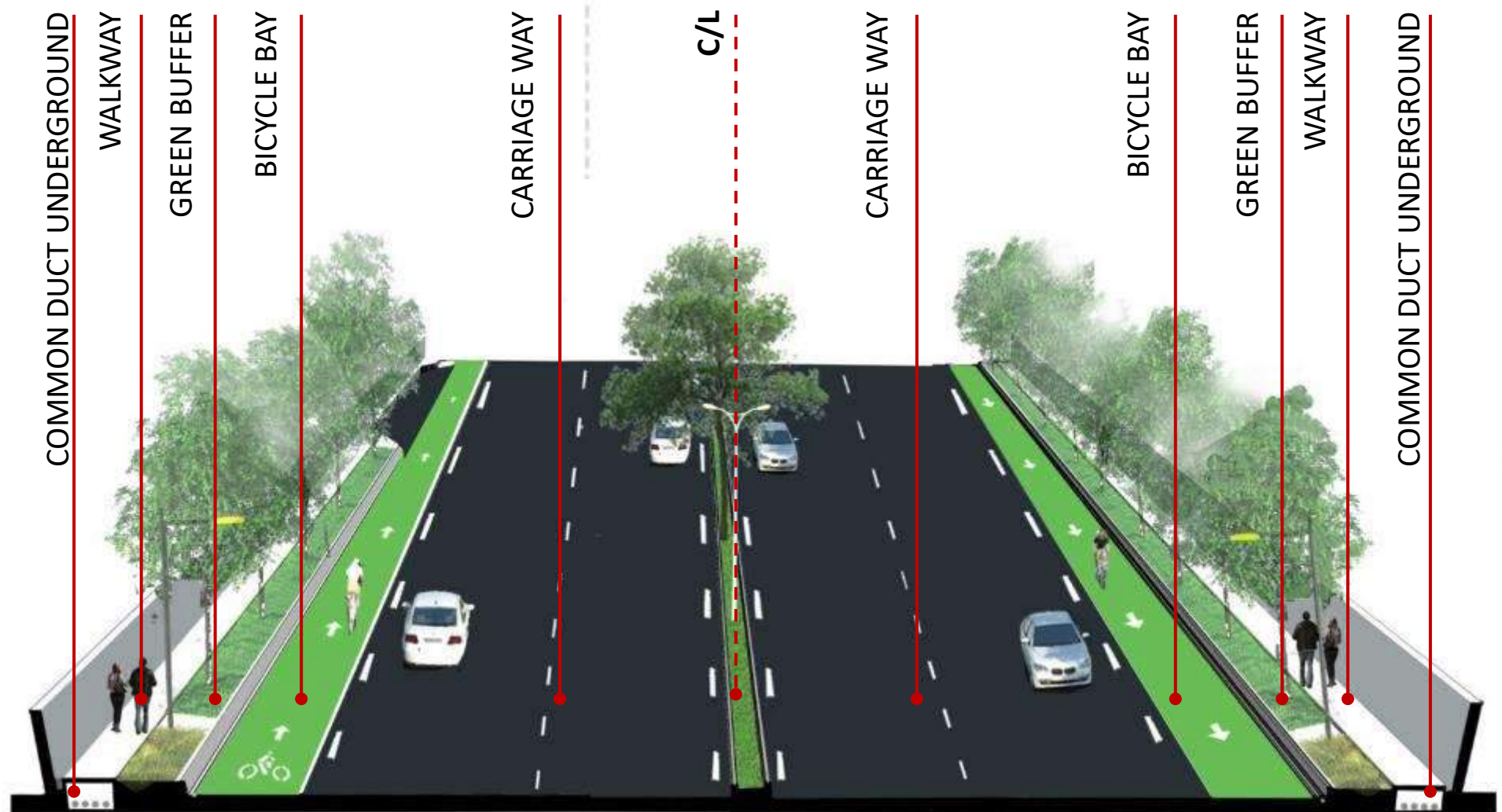
Sonargaon

Narayanganj

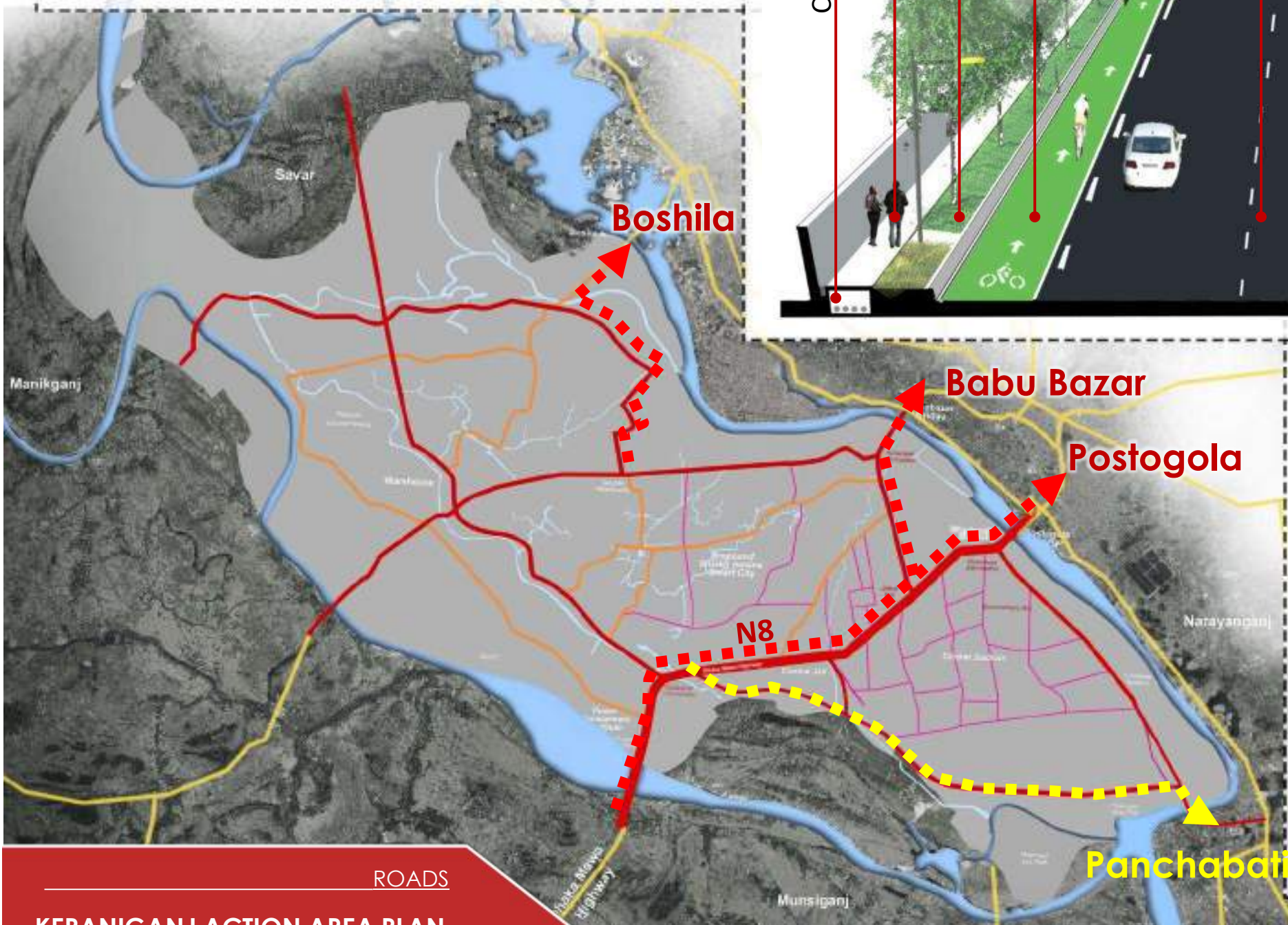
Nawabganj



Road Hierarchy



EXAMPLE OF PRIMARY ROAD



-  **Connecting Roads to Dhaka**
-  **Proposed Connection to Narayanganj**
-  **Primary Road**
100'-120' wide
-  **Secondary Road**
60'-80' wide
-  **Service Collector Road**
20'-40' wide

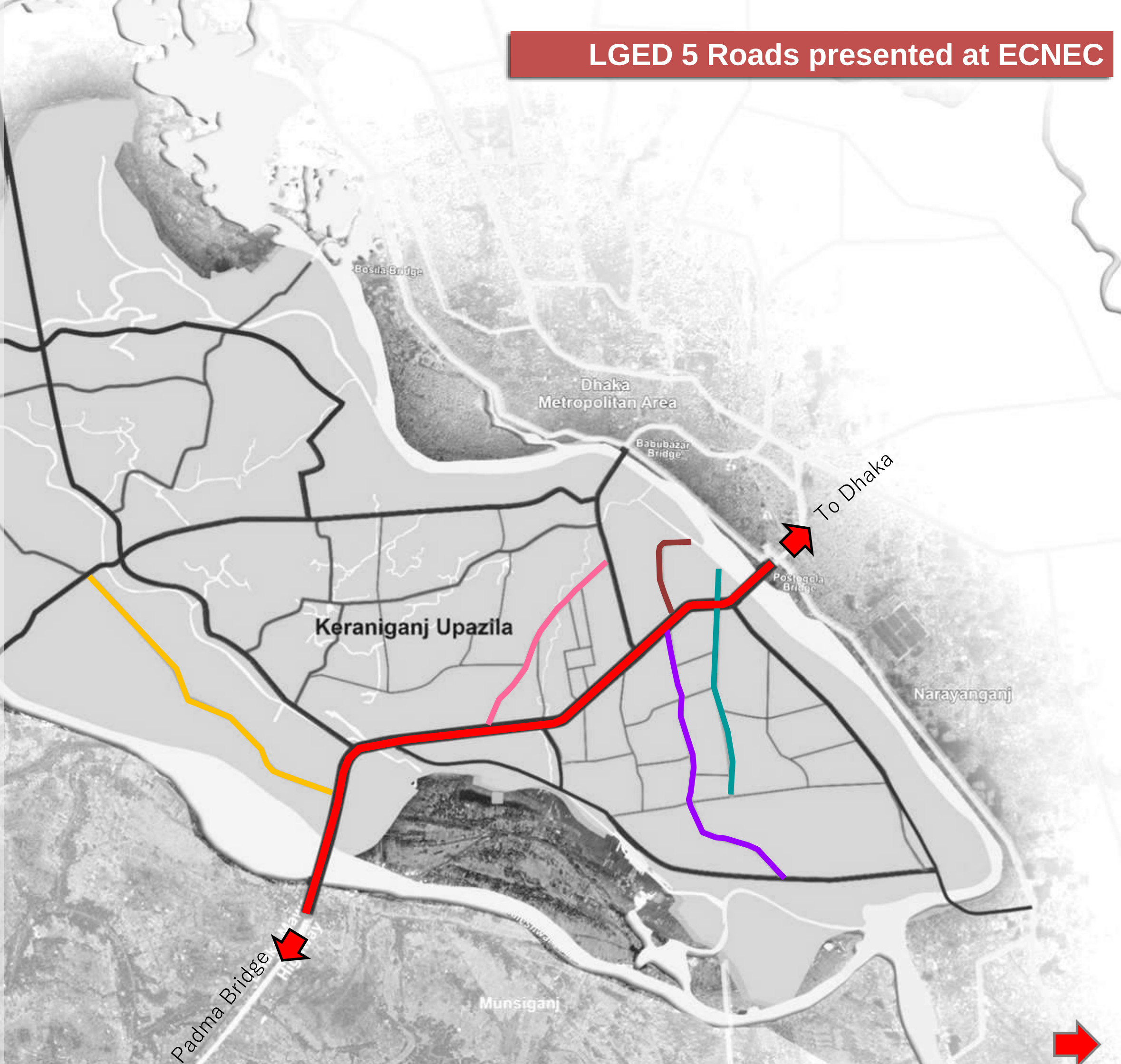
ROADS

Thus, 5 roads connected to N8 highway have been selected for re-development to provide safe transit between the two sides divided by N8, to provide transition bays for local roads to merge with N8, and to improve road quality with safe pedestrian lanes for Keraniganj in general.

**PROPOSED 5
ROADS BY LGED:**

-  DHAKA- MAWA LINK ROAD AT TEGHORIA- SHAPER BAZAR VIA MOLLAR HAT
-  ZINZIRA- KONDA VIA MIRERBAG BAZAR, BEYARA BAZAR ROAD
-  RUHITPUR GC- BALUARTACK NHW ROAD
-  DHAKA- MAWA RD- KHEJURBAG RD
-  CHUNKUTHIA AUDITORIUM- PUCCA CHITTA- DIGHIRPAR- ABDULLAHPUR BISHAW ROAD VIA GUISTA BAZAR

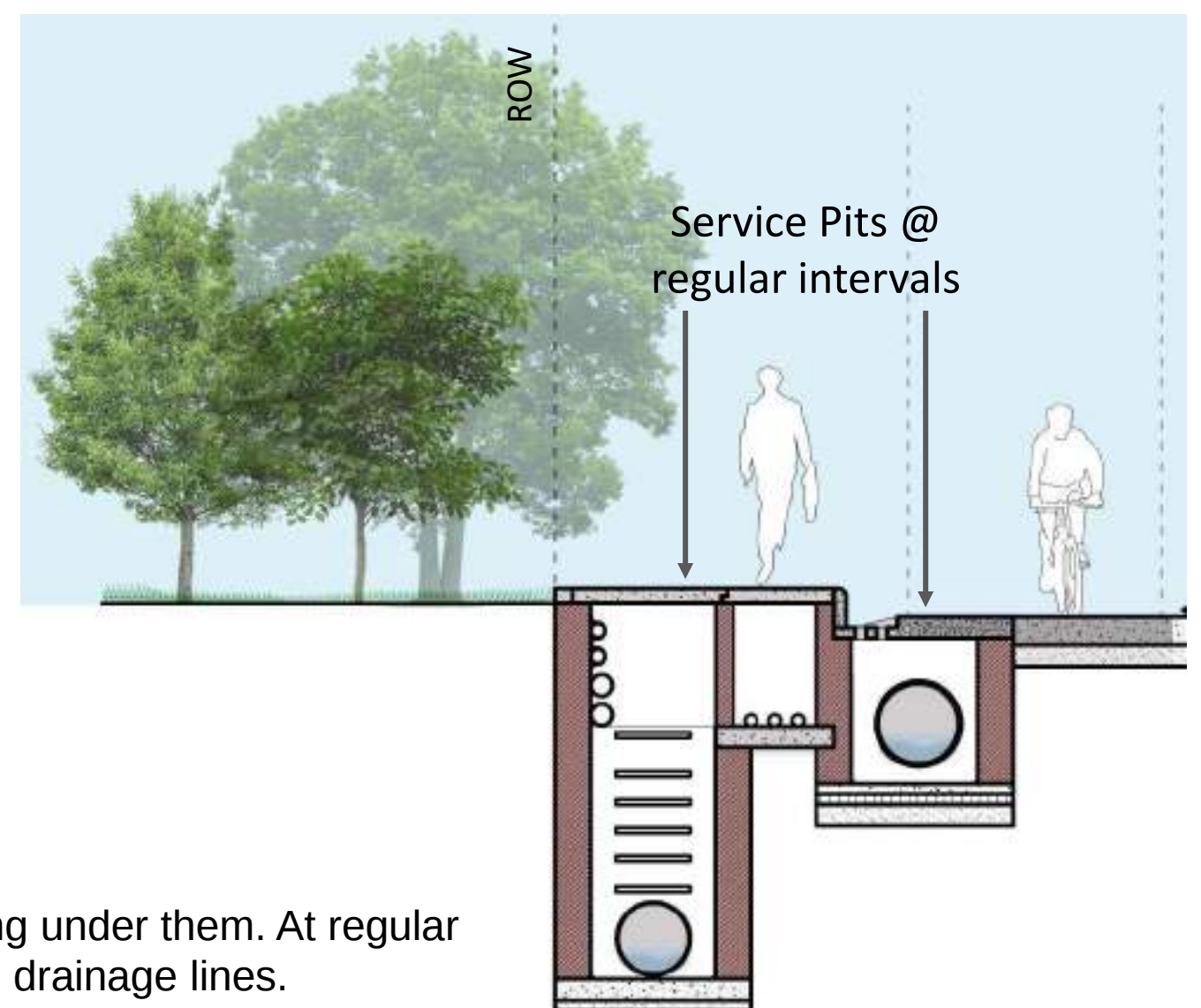
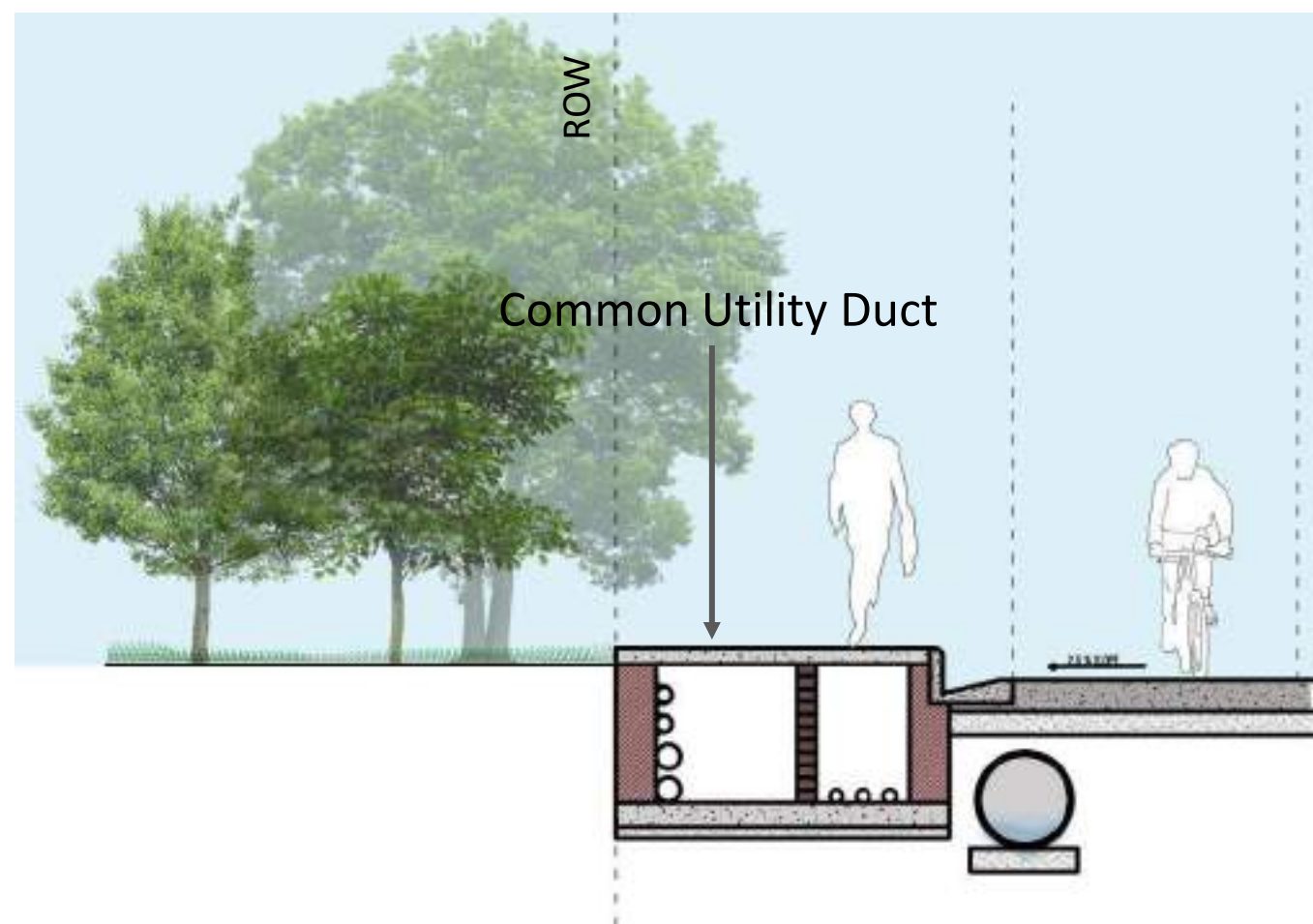
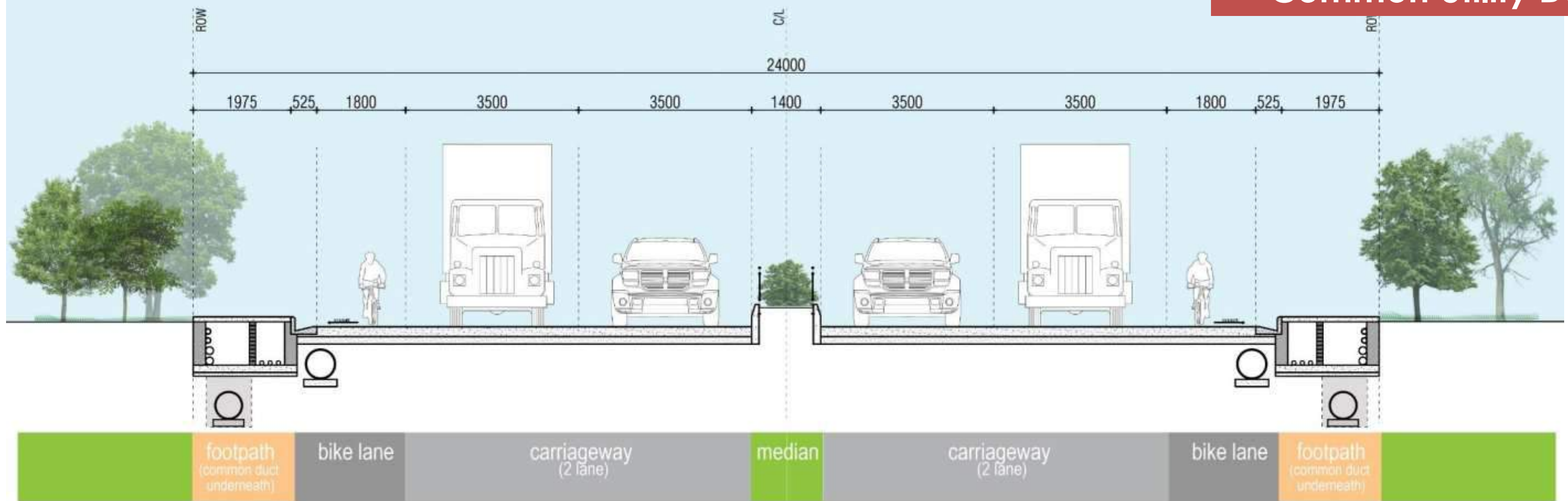
LGED 5 Roads presented at ECNEC



List of all roads proposed at Keraniganj

Sl No	Road Local Name	Road Length (km)	Proposed Width	
1	Ekuria Road	3.33	45 ft	LGED
2	Chunkuthia Road	1.12	-	LGED
3	Betka-Mawa Highway Link Road	4.85	80 ft	LGED
4	Dharmosur-Sonakanda Road	6.00	80 ft	LGED
5	Kalakandi (on N8) to Ramerkanda Bus stand	6.00	120 ft	R&H
6	Bashundhara River View Road from Hasnabad to Konda	6.42	100 ft	R&H
7	Goista Shuvadda Old Road / Shawsan Road	4.12	60 ft	LGED
8	Ramerkanda Bus Stand to Kadamtoli Bus Stand	9.60	100 ft	R&H
9	Zinzira Jony Tower	0.70	-	R&H
10	Ramerkanda to Kolatia Road	8.85	120 ft	R&H
11	Abdullahpur (on N8) to Kowtail;	12.50	120 ft	R&H
12	Mujahidngar Road (Proposed Jagannath University Link Road)	3.20	80 ft	LGED
13	Khejurbag Road	1.75	60 ft	LGED
Sl No	Intersection Local Name			
1	Ekuria Intersection			LGED
2	Kadamtoli Intersection			R&H
3	Hasnabad Intersection			R&H
4	Abdullahpur Intersection			R&H
5	Kalakandi Intersection			R&H
6	Ruhitpur Intersection			R&H

Common Utility Duct



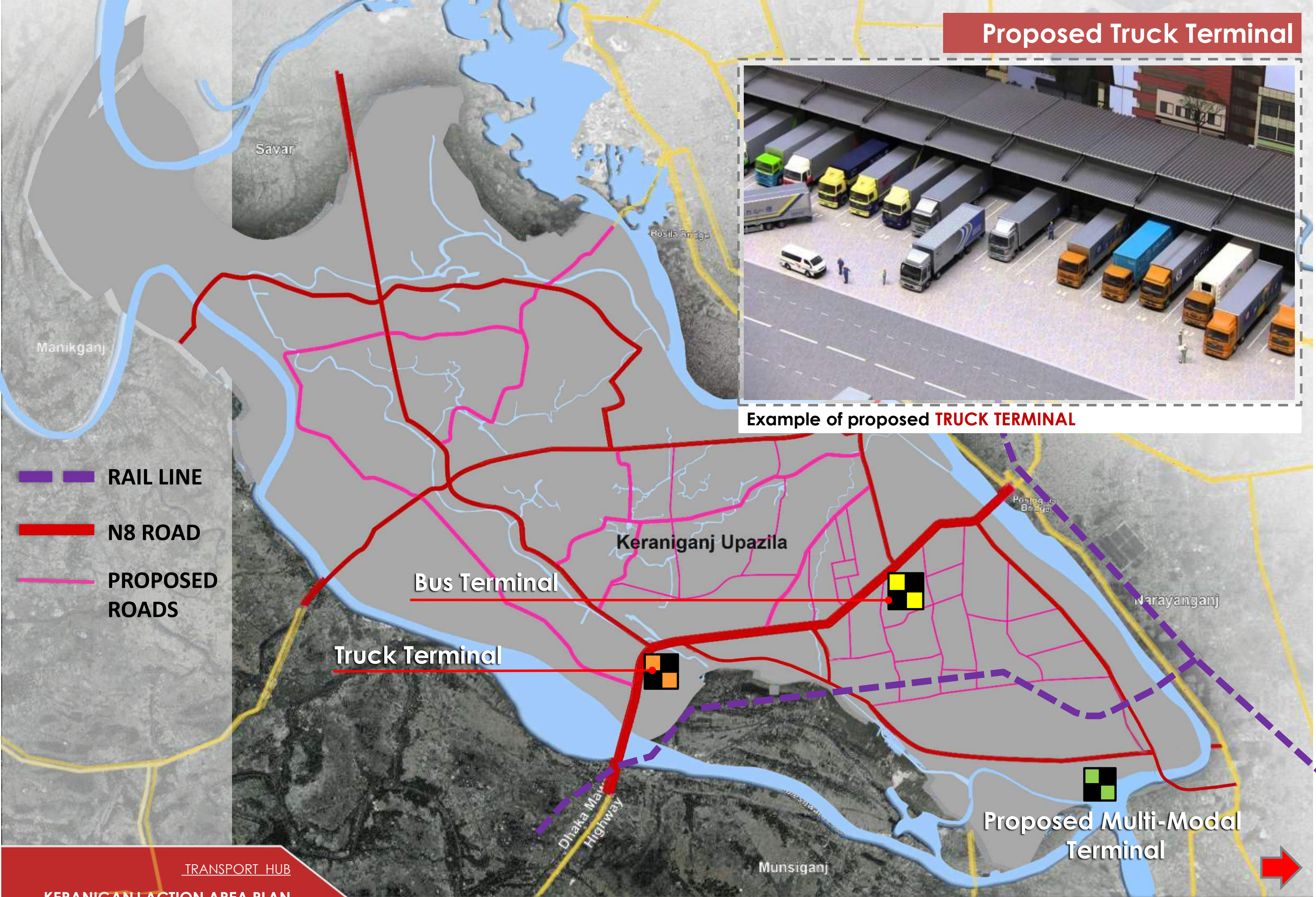
The proposed footpaths designs have common utility ducts running under them. At regular intervals there are service pits to maintain sewerage and drainage lines.



Proposed Truck Terminal



Example of proposed **TRUCK TERMINAL**



- RAIL LINE
- N8 ROAD
- PROPOSED ROADS

Bus Terminal

Truck Terminal

Proposed Multi-Modal Terminal

Proposed Bus Terminal



Example of proposed **BUS TERMINAL**

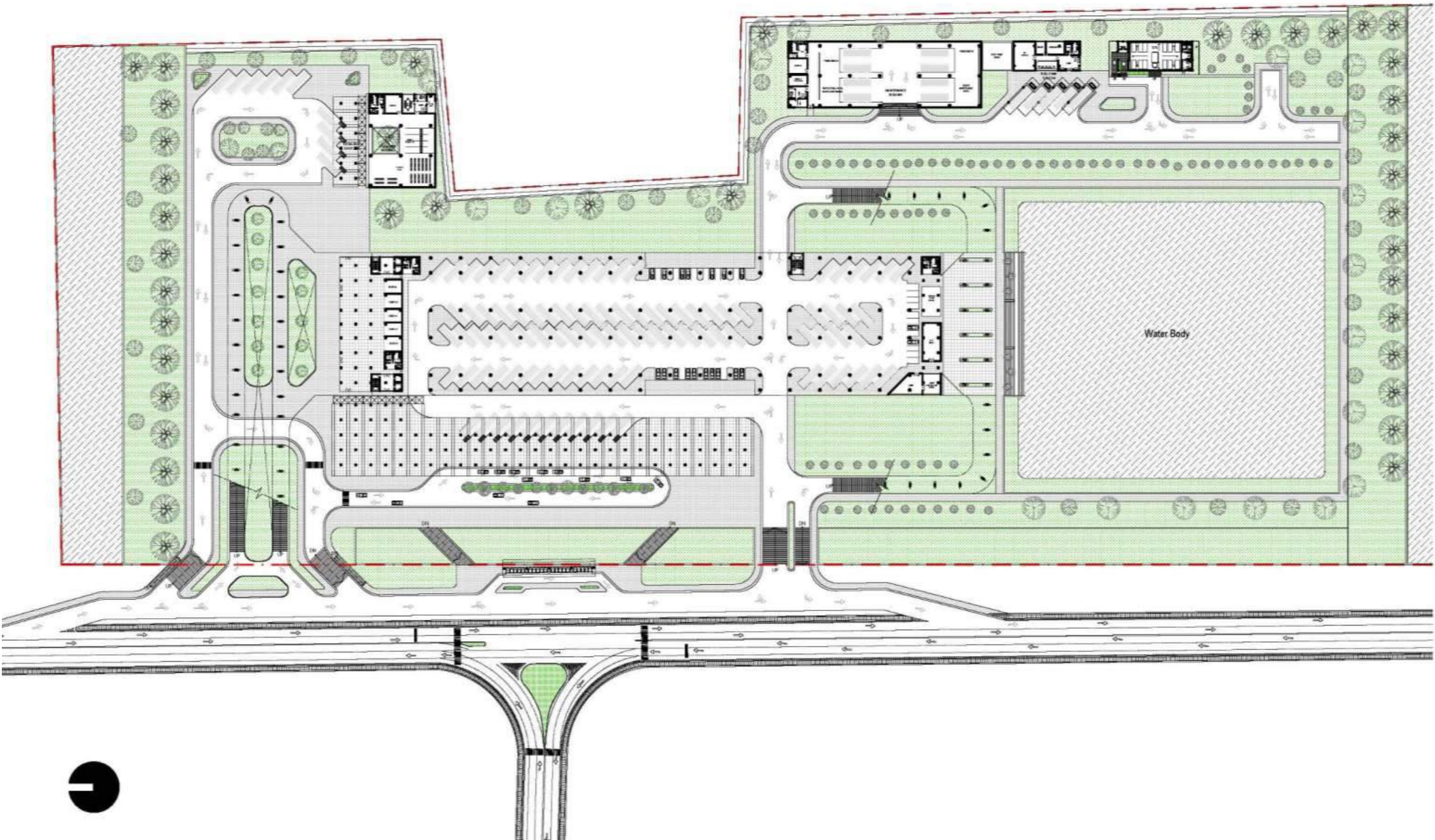


TRANSPORT HUB

KERANIGANJ ACTION AREA PLAN



Layout plan of Proposed Bus Terminal



Keraniganj Proposed Land-Use

Roads & Intersection design

Water Connectivity & Multimodal Terminal

Sheikh Hasina Smart City

Other Projects at Keraniganj



Water Urbanism & Connectivity

Water urbanism and connectivity are major issues in developing Keraniganj since Keraniganj is surrounded by two historically important rivers Buriganga and Dhaleshwari. Unfortunately the rivers are extremely polluted and lacks proper maintenance and proper water terminal.

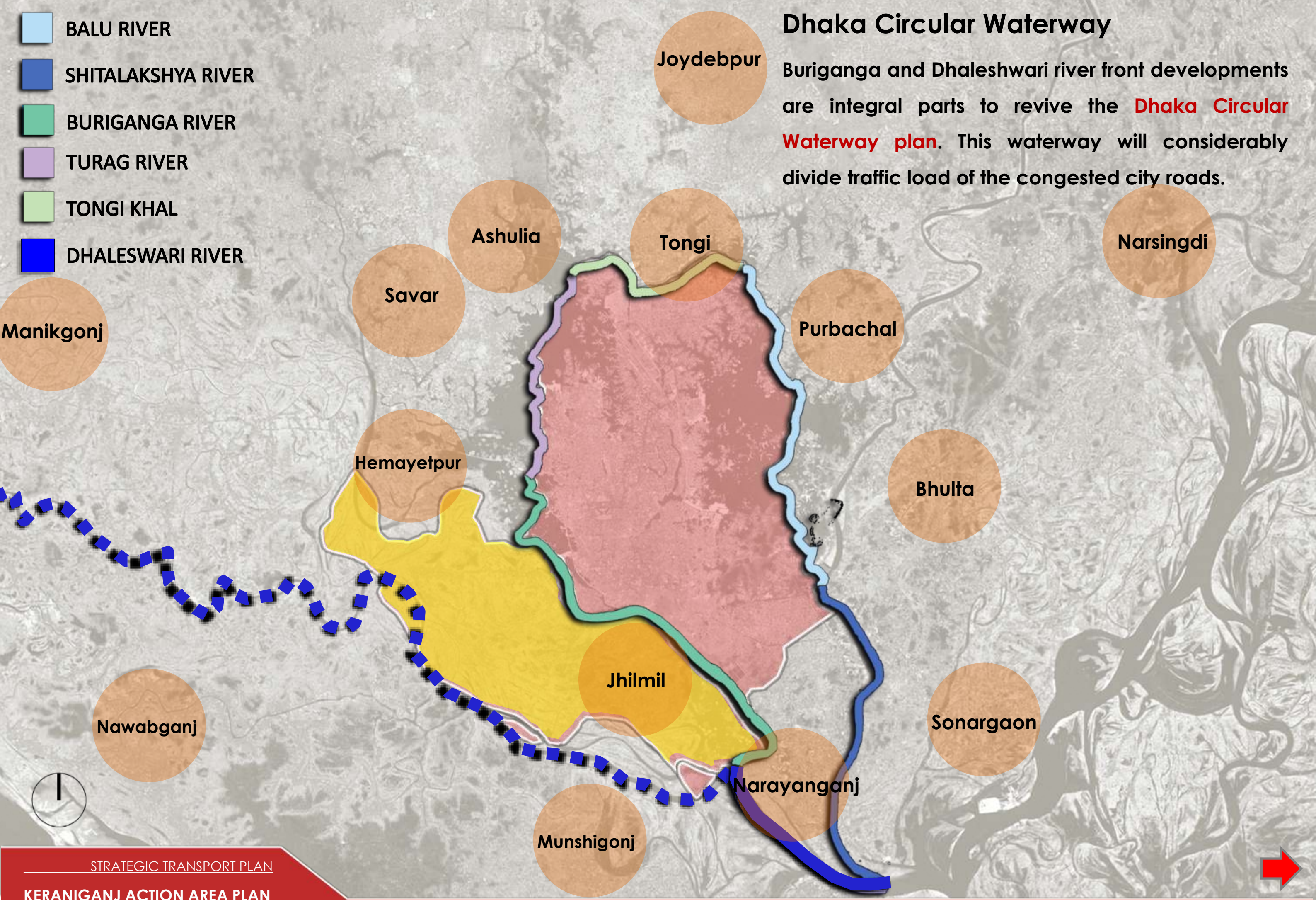
Buriganga and Dhaleshwari river development in Keraniganj will be able to help revive the circular water **connectivity** around Dhaka and Keraniganj and create a alternative mode of transport for the city dwellers.



- BALU RIVER
- SHITALAKSHYA RIVER
- BURIGANGA RIVER
- TURAG RIVER
- TONGI KHAL
- DHALESWARI RIVER

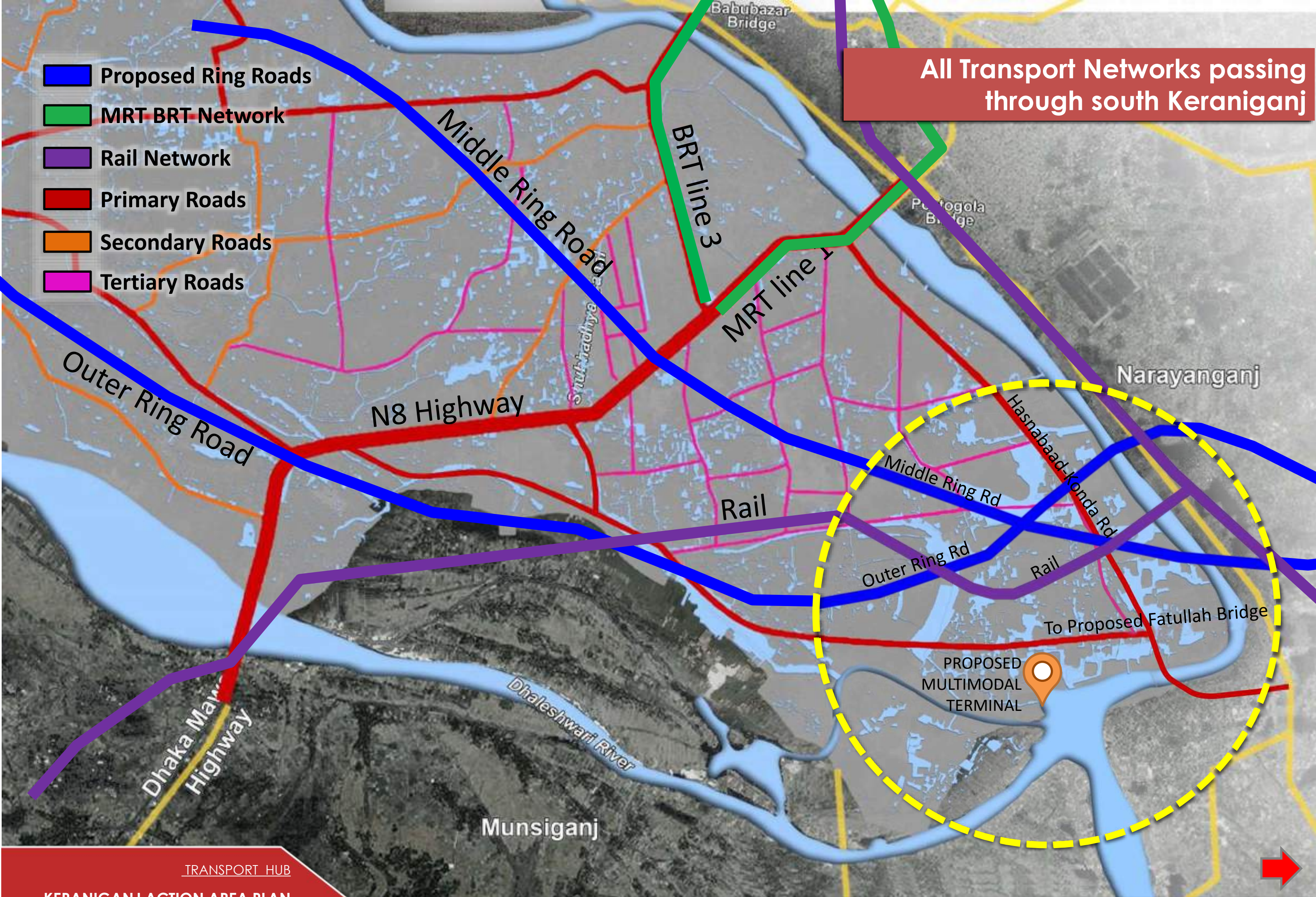
Dhaka Circular Waterway

Buriganga and Dhaleshwari river front developments are integral parts to revive the **Dhaka Circular Waterway plan**. This waterway will considerably divide traffic load of the congested city roads.



- Proposed Ring Roads
- MRT BRT Network
- Rail Network
- Primary Roads
- Secondary Roads
- Tertiary Roads

All Transport Networks passing through south Keraniganj



TRANSPORT HUB

KERANIGANJ ACTION AREA PLAN



Water Connectivity & Urbanism

Inside Keraniganj

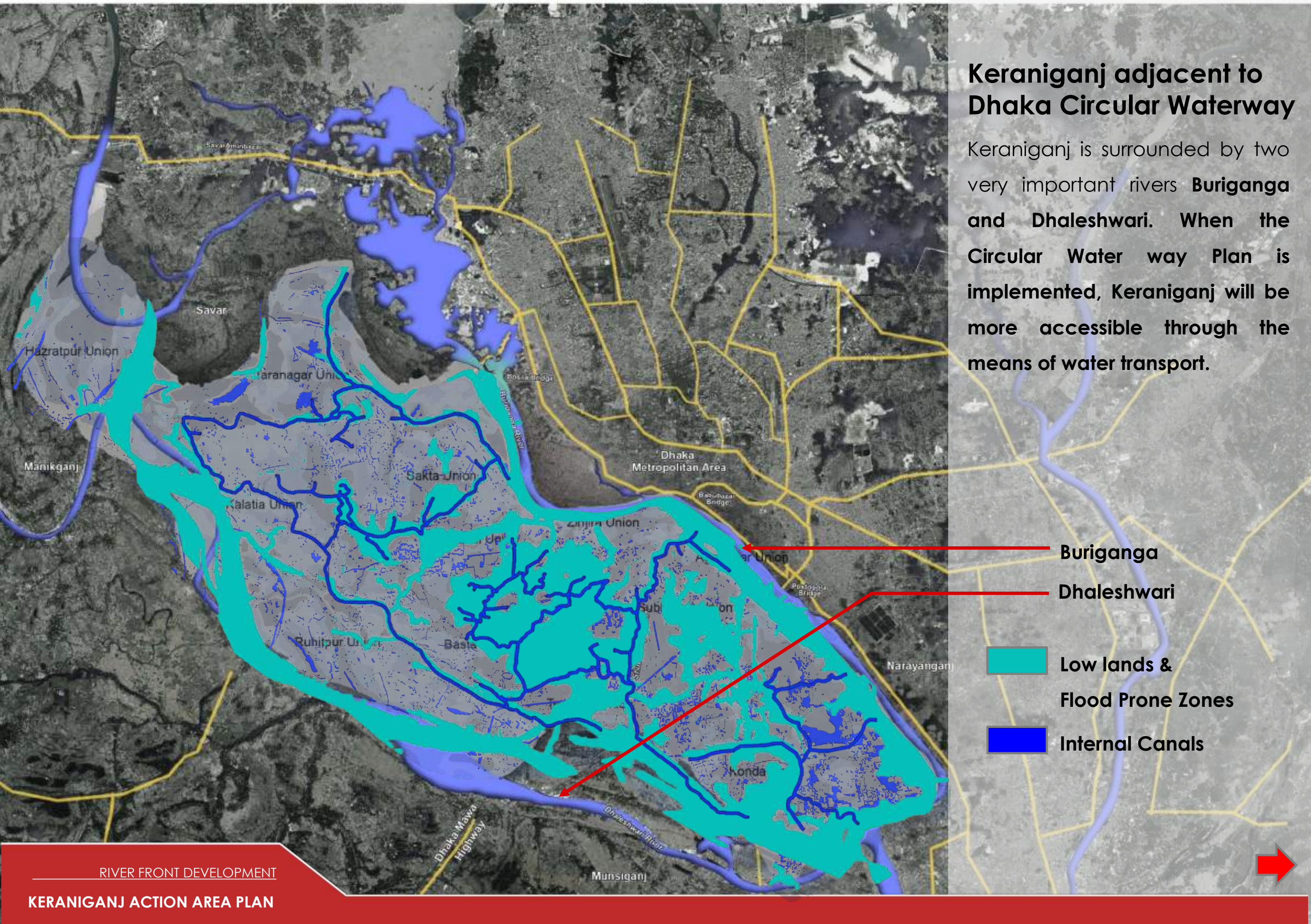
Numerous Canals (khal) are proposed to redevelop in Keraniganj to create an **internal connectivity** and hydrology within Keraniganj.

Redeveloping the canals will significantly elevate the environment of Keraniganj as well as off-burden the roads through developing water transport.



Keraniganj adjacent to Dhaka Circular Waterway

Keraniganj is surrounded by two very important rivers **Buriganga** and **Dhaleshwari**. When the Circular Water way Plan is implemented, Keraniganj will be more accessible through the means of water transport.

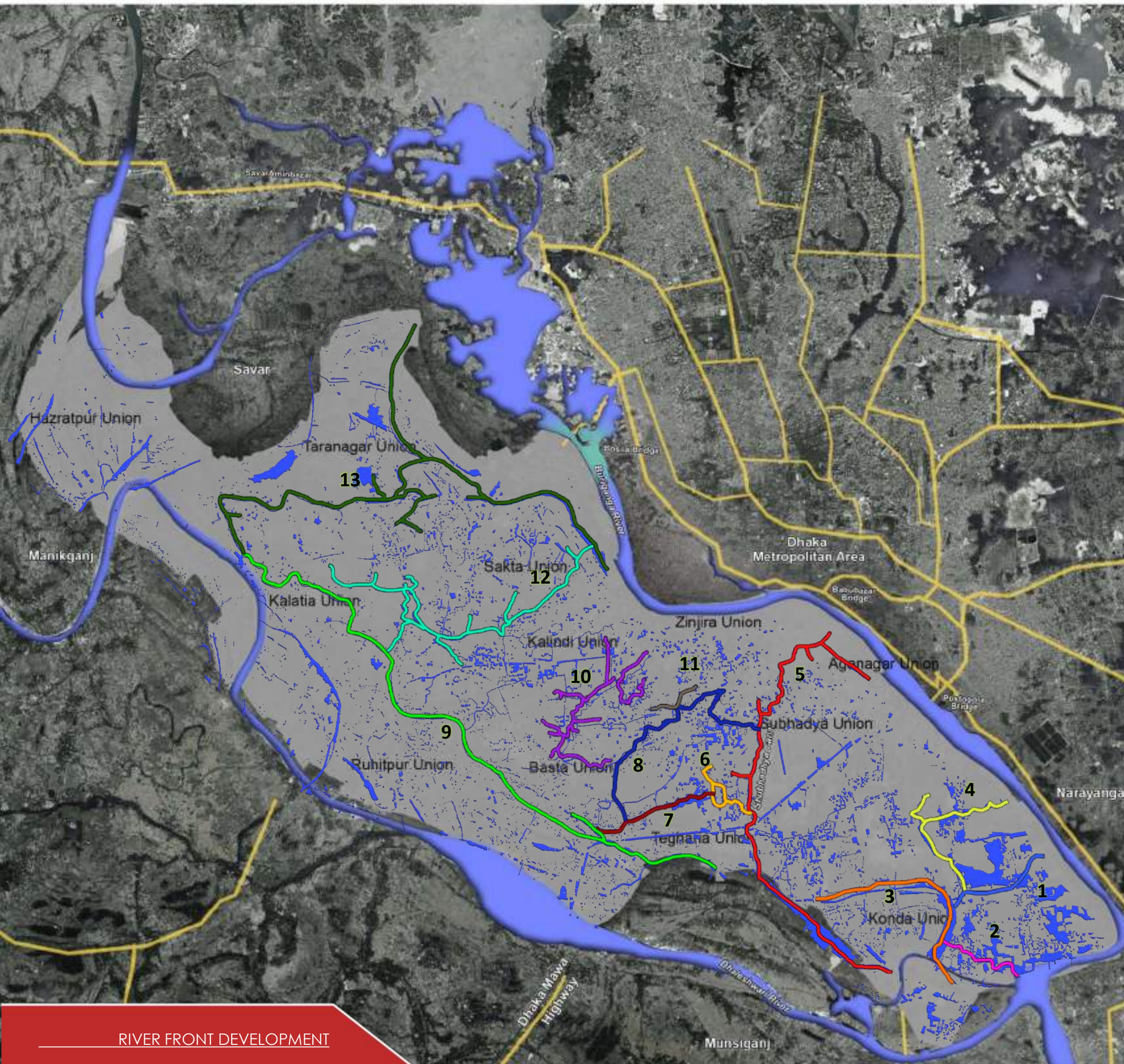


Buriganga

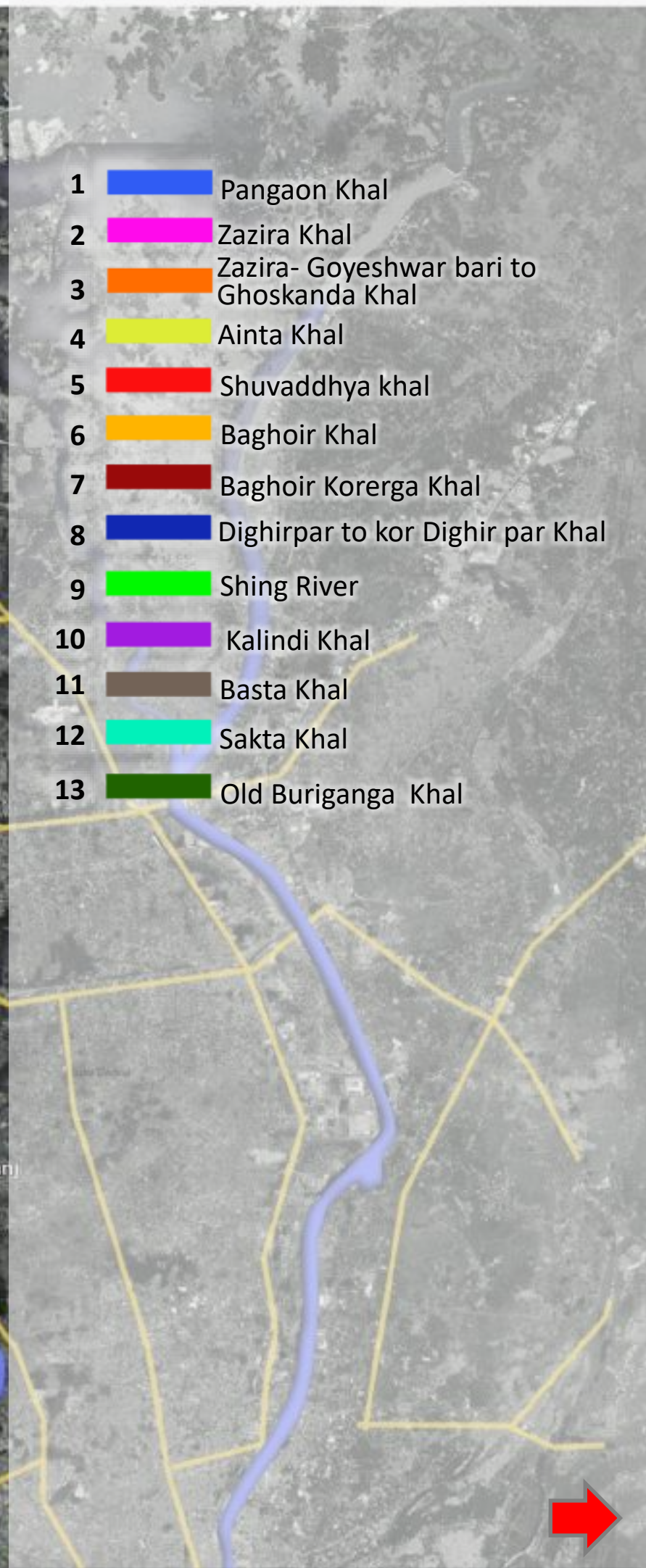
Dhaleshwari

Low lands &
Flood Prone Zones

Internal Canals



- 1 Pangaon Khal
- 2 Zazira Khal
- 3 Zazira- Goyeshwar bari to Ghoskanda Khal
- 4 Ainta Khal
- 5 Shuvaddhya khal
- 6 Baghoir Khal
- 7 Baghoir Korerga Khal
- 8 Dighirpar to kor Dighir par Khal
- 9 Shing River
- 10 Kalindi Khal
- 11 Basta Khal
- 12 Sakta Khal
- 13 Old Buriganga Khal



- Keraniganj Proposed Land-Use
- Roads & Intersection design
- Water Connectivity & Multimodal Terminal
- Sheikh Hasina Smart City
- Other Projects at Keraniganj



Sponge City-

Regenerative, sustainable, green, eco, resilient, low-impact, future proofing, zero-carbon

Digital Based mobility and connectivity

Inclusive, forth revolutionary Industrial Hi-tech City



Example of Smart City masterplan



SHEIKH HASINA SMART CITY



Approx. 3500 Acres

PROPOSED LAND USES

KERANIGANJ ACTION AREA PLAN





Architects: Turenscape
Project: Zhongshan-Shipyard-Park

Example of Smart City

KERANIGANJ ACTION AREA PLAN



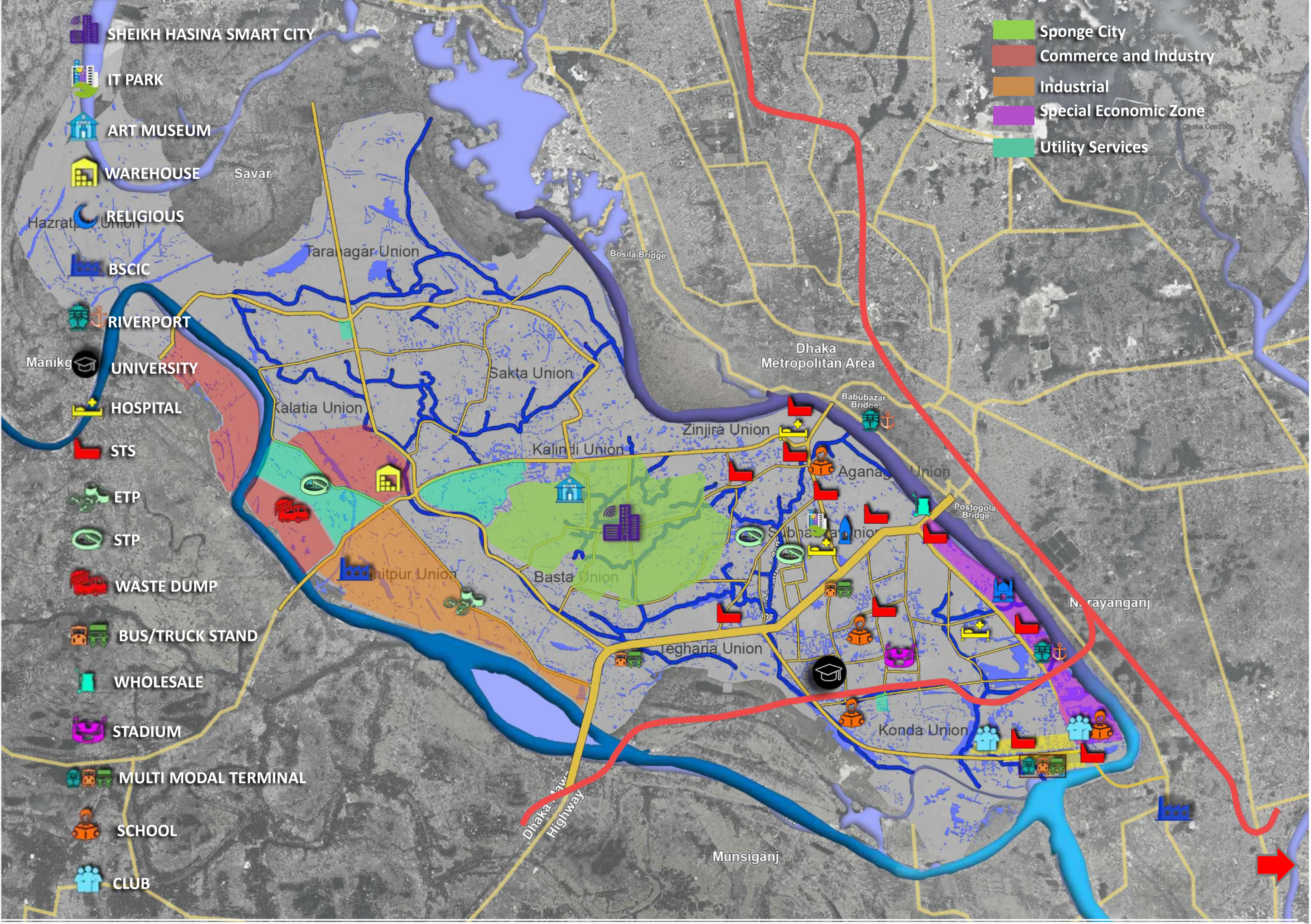
- Keraniganj Proposed Land-Use
- Roads & Intersection design
- Water Connectivity & Multimodal Terminal
- Sheikh Hasina Smart City
- Other Projects at Keraniganj



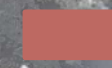
Other Projects

Among many other important large and small scale projects, the following are some examples of redeveloping the **academic institutions, religious structures, club houses, shopping markets, local bazaars, hospitals, clinics** etc to make Keraniganj a functional city complete with public spaces, art and culture.





-  SHEIKH HASINA SMART CITY
-  IT PARK
-  ART MUSEUM
-  WAREHOUSE
-  RELIGIOUS
-  BSCIC
-  RIVERPORT
-  UNIVERSITY
-  HOSPITAL
-  STS
-  ETP
-  STP
-  WASTE DUMP
-  BUS/TRUCK STAND
-  WHOLESALE
-  STADIUM
-  MULTI MODAL TERMINAL
-  SCHOOL
-  CLUB

-  Sponge City
-  Commerce and Industry
-  Industrial
-  Special Economic Zone
-  Utility Services